



ACS-1 Preset Table

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Please refer to the MEMRECAM ACS User's Manual for instructions on how to use the MEMRECAM ACS system.

This document contains the description of Ver. 2.14 of the ACS-1 firmware.

ACS-1 Series

■ ACS-1 Series

ACS-1 Series	memory	Recording Time
ACS-1E	64GB, 128GB, 256GB	(▶▶▶ 10)
ACS-1	64GB, 128GB, 256GB	(▶▶▶ 23)
ACS-1 M60E	64GB, 128GB, 256GB	(▶▶▶ 38)
ACS-1 M60	64GB, 128GB, 256GB	(▶▶▶ 52)
ACS-1 M40E	64GB, 128GB, 256GB	(▶▶▶ 69)
ACS-1 M40	64GB, 128GB, 256GB	(▶▶▶ 86)
ACS-1 M30E	64GB, 128GB, 256GB	(▶▶▶ 101)
ACS-1 M30	64GB, 128GB, 256GB	(▶▶▶ 117)

Image Sensor

■ Imaging Element

Format	About 2.15 inch CMOS sensor (monochrome,color)
Pixel size	22 μ m x 22 μ m
Valid Pixels	1280 x 896 pixels (1,140,000 pixels)
Maximum Area	28.16 x 19.712 mm
Optical Axis Center Accuracy	\pm 0.5 mm

■ Sensitivity

Mono	ISO 50,000 : ACS-1
	ISO 100,000 : ACS-1 M60E / M60 / M40E / M40 / M30E / M30
Color	ISO 20,000 : ACS-1 M60E / M60 / M40E / M40 / M30E / M30

(About 51,980lx

Digital gain: MID, aperture: F4, Frame rate: 1000 frames/sec , Shutter: 16 μ s)



- When the output signals for the subject have a reflectance of 89% become 100%, the illumination and aperture value for the subject are the aperture for the lens at that time.

■ Shutter

Shutter Format	Global electronic shutter
Method for Setting the Shutter Time	Select from presets / set custom
Presets	OPEN, 1/100, 1/500, 1/1,000, 1/2,000, 1/5,000, 1/10,000, 1/20,000, 1/50,000, 1/100,000, 1/200,000, 1/333,333, 1/500,000
Custom Settings	<p>0.4 to 100,000μs (= 100ms = 1/10s) :ACS-1 M60 0.6 to 100,000μs (= 100ms = 1/10s) :ACS-1 :ACS-1 M40 / M30 1.1 to 100,00μs (= 100ms = 1/10s) :ACS-1E :ACS-1 M60E / M40E / M30E Exposure times longer than 1/frame rate cannot be set.</p>
Automatic Exposure	<p>Setting: ON/OFF Function: Automatically adjusts the exposure time between 10μs and the shutter speed</p>

Recorder

■ Recording Memory

Installed Memory	64GB / 128GB / 256GB	
Memory Segment Partitions	64GB model	1GB×64, 2.1GB×32, 4.2GB×16, 8.5GB×8, 17GB×4, 34GB×2, 68GB×1
	128GB model	2.1GB×64, 4.2GB×32, 8.5GB×16, 17GB×8, 34GB×4, 68GB×2, 137GB×1
	256GB model	4.2GB×64, 8.5GB×32, 17GB×16, 34GB×8, 68GB×4, 137GB×2, 274GB×1

■ Pixel Bit Length

Image Sensor Output	12 bit	
Recording bits per pixel	Select from 8 / 10 / 12 bit	
	12 bit	Record image sensor output of 12 bit (high image quality)
	10 bit	Record image sensor output of high 10 bit
	8 bit	Record image sensor output of high 8 bit (long time)

ACS-1E

■ Frame Rates and Valid Pixels ACS-1E Normal mode(1/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
35,000 or less	1280	896	28.16	19.712	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split
40,000	1280	800	28.16	17.6	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split
45,000	1280	720	28.16	15.84	Split
	1008	720	22.176	15.84	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split



- 35,000 or less includes 30,000, 20,000, 10,000, 5,000, 2,000, 1,000, 500, 100, 60 and 50 fps.

Custom Frame Size : In units of 16 horizontal pixels and 16 vertical pixels



■ Frame Rates and Valid Pixels ACS-1E Normal mode (2/3)


Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
50,000	1280	640	28.16	14.08	Split
	1280	576	28.16	12.672	Split
	1008	640	22.176	14.08	Split
	672	576	14.784	12.672	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split
60,000	1280	528	28.16	11.616	Split
	1008	528	22.176	11.616	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split
65,000	1280	480	28.16	10.56	Split
	1280	448	28.16	9.856	Split
	1008	480	22.176	10.56	Split
	672	480	14.784	10.56	Split
	672	448	14.784	9.856	Split
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split
75,000	1280	400	28.16	8.8	Split
	1008	400	22.176	8.8	Split
	672	400	14.784	8.8	Split
	336	256	7.392	5.632	Split
100,000	1280	288	28.16	6.336	Split
	1008	288	22.176	6.336	Split
	672	288	14.784	6.336	Split
	336	256	7.392	5.632	Split


■ Frame Rates and Valid Pixels ACS-1E Normal mode (3/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
120,000	1280	224	28.16	4.928	Split
	1280	192	28.16	4.224	Split
	1008	224	22.176	4.928	Split
	672	224	14.784	4.928	Split
	336	224	7.392	4.928	Split
	336	192	7.392	4.224	Split
200,000	1280	112	28.16	2.464	Split
	1280	96	28.16	2.112	Split
	1280	64	28.16	1.408	Split
	1008	112	22.176	2.464	Split
	672	112	14.784	2.464	Split
	336	112	7.392	2.464	Split
220,000	1280	96	28.16	2.112	Split
	336	96	7.392	2.112	Split

■ Frame Rates and Valid Pixels ACS-1E Boost mode

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
40,000	1280	896	28.16	19.712	Split
45,000	1280	896	28.16	19.712	Split
50,000	1280	896	28.16	19.712	Split
60,000	1280	896	28.16	19.712	Split
65,000	1280	896	28.16	19.712	Split
75,000	1280	800	28.16	17.6	Split
100,000	1280	576	28.16	12.672	Split
	672	576	14.784	12.672	Split
120,000	1280	448	28.16	9.856	Split
	672	448	14.784	9.856	Split
200,000	1280	224	28.16	4.928	Split
	336	224	7.392	4.928	Split
220,000	1280	192	28.16	4.224	Split
	336	192	7.392	4.224	Split

 **ATTENTION** • Boost mode supports only Mono, not color.

 **CHECK** • Boost mode is preset only.
• Custom frame rate and custom frame size functions cannot be used.

■ Recording Time

ACS-1E 64GB model Nomal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000 or less	1280	896	1.08	1.30	1.62
	1280	720	1.35	1.62	2.02
	1008	768	1.69	2.02	2.53
	672	512	3.80	4.56	5.70
	512	512	3.80	4.56	5.70
	640	480	4.05	4.86	6.08
	336	256	15.21	18.25	22.81
40,000	1280	800	1.06	1.27	1.59
	1280	720	1.18	1.41	1.77
	1008	768	1.47	1.77	2.21
	672	512	3.32	3.99	4.99
	512	512	3.32	3.99	4.99
	640	480	3.54	4.25	5.32
	336	256	13.30	15.97	19.96
45,000	1280	720	1.05	1.26	1.57
	1008	720	1.40	1.68	2.10
	672	512	2.95	3.54	4.43
	512	512	2.95	3.54	4.43
	640	480	3.15	3.78	4.73
	336	256	11.83	14.19	17.74
50,000	1280	640	1.06	1.27	1.59
	1280	576	1.18	1.41	1.77
	1008	640	1.41	1.70	2.12
	672	576	2.36	2.83	3.54
	672	512	2.66	3.19	3.99
	512	512	2.66	3.19	3.99
	640	480	2.83	3.40	4.25
	336	256	10.64	12.77	15.97

ACS-1E 64GB model Nomal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	1.07	1.29	1.61
	1008	528	1.43	1.72	2.15
	672	512	2.21	2.66	3.32
	512	512	2.21	2.66	3.32
	640	480	2.36	2.83	3.54
	336	256	8.87	10.64	13.30
65,000	1280	480	1.09	1.31	1.63
	1280	448	1.17	1.40	1.75
	1008	480	1.45	1.74	2.18
	672	480	2.18	2.62	3.27
	672	448	2.34	2.80	3.51
	640	480	2.18	2.62	3.27
	336	256	8.19	9.82	12.28
75,000	1280	400	1.13	1.36	1.70
	1008	400	1.51	1.81	2.27
	672	400	2.27	2.72	3.40
	336	256	7.09	8.51	10.64
100,000	1280	288	1.18	1.41	1.77
	1008	288	1.57	1.89	2.36
	672	288	2.36	2.83	3.54
	336	256	5.32	6.38	7.98
120,000	1280	224	1.26	1.52	1.90
	1280	192	1.47	1.77	2.21
	1008	224	1.69	2.02	2.53
	672	224	2.53	3.04	3.80
	336	224	5.07	6.08	7.60
	336	192	5.91	7.09	8.87

ACS-1E 64GB model Nomal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
200,000	1280	112	1.52	1.82	2.28
	1280	96	1.77	2.12	2.66
	1280	64	2.66	3.19	3.99
	1008	112	2.02	2.43	3.04
	672	112	3.04	3.65	4.56
	336	112	6.08	7.30	9.12
220,000	1280	96	1.61	1.93	2.41
	336	96	6.45	7.74	9.67

ACS-1E 64GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
65,000 or less	1280	896	1.17	1.40	1.75
75,000	1280	800	1.13	1.36	1.70
100,000	1280	576	1.18	1.41	1.77
	672	576	2.36	2.83	3.54
120,000	1280	448	1.26	1.52	1.90
	672	448	2.53	3.04	3.80
200,000	1280	224	1.52	1.82	2.28
	336	224	6.08	7.30	9.12
220,000	1280	192	1.61	1.93	2.41
	336	192	6.45	7.74	9.67

ACS-1E 128GB model Nomal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000 or less	1280	896	2.17	2.60	3.26
	1280	720	2.70	3.24	4.05
	1008	768	3.38	4.05	5.07
	672	512	7.60	9.12	11.41
	512	512	7.60	9.12	11.41
	640	480	8.11	9.73	12.17
	336	256	30.42	36.51	45.64
40,000	1280	800	2.12	2.55	3.19
	1280	720	2.36	2.83	3.54
	1008	768	2.95	3.54	4.43
	672	512	6.65	7.98	9.98
	512	512	6.65	7.98	9.98
	640	480	7.09	8.51	10.64
	336	256	26.62	31.94	39.93
45,000	1280	720	2.10	2.52	3.15
	1008	720	2.80	3.36	4.20
	672	512	5.91	7.09	8.87
	512	512	5.91	7.09	8.87
	640	480	6.31	7.57	9.46
	336	256	23.66	28.39	35.49
50,000	1280	640	2.12	2.55	3.19
	1280	576	2.36	2.83	3.54
	1008	640	2.83	3.40	4.25
	672	576	4.73	5.67	7.09
	672	512	5.32	6.38	7.98
	512	512	5.32	6.38	7.98
	640	480	5.67	6.81	8.51
	336	256	21.29	25.55	31.94

ACS-1E 128GB model Nomal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	2.15	2.58	3.22
	1008	528	2.86	3.44	4.30
	672	512	4.43	5.32	6.65
	512	512	4.43	5.32	6.65
	640	480	4.73	5.67	7.09
	336	256	17.74	21.29	26.62
65,000	1280	480	2.18	2.62	3.27
	1280	448	2.34	2.80	3.51
	1008	480	2.91	3.49	4.36
	672	480	4.36	5.24	6.55
	672	448	4.68	5.61	7.02
	640	480	4.36	5.24	6.55
75,000	1280	400	2.27	2.72	3.40
	1008	400	3.02	3.63	4.54
	672	400	4.54	5.45	6.81
	336	256	14.19	17.03	21.29
100,000	1280	288	2.36	2.83	3.54
	1008	288	3.15	3.78	4.73
	672	288	4.73	5.67	7.09
	336	256	10.64	12.77	15.97
120,000	1280	224	2.53	3.04	3.80
	1280	192	2.95	3.54	4.43
	1008	224	3.38	4.05	5.07
	672	224	5.07	6.08	7.60
	336	224	10.14	12.17	15.21
	336	192	11.83	14.19	17.74

ACS-1E 128GB model Nomal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
200,000	1280	112	3.04	3.65	4.56
	1280	96	3.54	4.25	5.32
	1280	64	5.32	6.38	7.98
	1008	112	4.05	4.86	6.08
	672	112	6.08	7.30	9.12
	336	112	12.17	14.60	18.25
220,000	1280	96	3.22	3.87	4.84
	336	96	12.90	15.49	19.36

ACS-1E 128GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
65,000 or less	1280	896	2.34	2.80	3.51
75,000	1280	800	2.27	2.72	3.40
100,000	1280	576	2.36	2.83	3.54
	672	576	4.73	5.67	7.09
120,000	1280	448	2.53	3.04	3.80
	672	448	5.07	6.08	7.60
200,000	1280	224	3.04	3.65	4.56
	336	224	12.17	14.60	18.25
220,000	1280	192	3.22	3.87	4.84
	336	192	12.90	15.49	19.36

ACS-1E 256GB model Nomal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000 or less	1280	896	4.34	5.21	6.52
	1280	720	5.41	6.49	8.11
	1008	768	6.76	8.11	10.14
	672	512	15.21	18.25	22.82
	512	512	15.21	18.25	22.82
	640	480	16.23	19.47	24.34
	336	256	60.86	73.03	91.29
40,000	1280	800	4.26	5.11	6.39
	1280	720	4.73	5.68	7.10
	1008	768	5.91	7.10	8.87
	672	512	13.31	15.97	19.97
	512	512	13.31	15.97	19.97
	640	480	14.20	17.04	21.30
	336	256	53.25	63.90	79.88
45,000	1280	720	4.20	5.04	6.31
	1008	720	5.61	6.73	8.41
	672	512	11.83	14.20	17.75
	512	512	11.83	14.20	17.75
	640	480	12.62	15.14	18.93
	336	256	47.33	56.80	71.00
50,000	1280	640	4.26	5.11	6.39
	1280	576	4.73	5.68	7.10
	1008	640	5.68	6.81	8.52
	672	576	9.46	11.36	14.20
	672	512	10.65	12.78	15.97
	512	512	10.65	12.78	15.97
	640	480	11.36	13.63	17.04
	336	256	42.60	51.12	63.90

ACS-1E 256GB model Nomal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	4.30	5.16	6.45
	1008	528	5.73	6.88	8.60
	672	512	8.87	10.65	13.31
	512	512	8.87	10.65	13.31
	640	480	9.46	11.36	14.20
	336	256	35.50	42.60	53.25
65,000	1280	480	4.36	5.24	6.55
	1280	448	4.68	5.61	7.02
	1008	480	5.82	6.99	8.73
	672	480	8.73	10.48	13.10
	672	448	9.36	11.23	14.04
	640	480	8.73	10.48	13.10
	336	256	32.77	39.32	49.15
75,000	1280	400	4.54	5.45	6.81
	1008	400	6.05	7.27	9.08
	672	400	9.08	10.90	13.63
	336	256	28.40	34.08	42.60
100,000	1280	288	4.73	5.68	7.10
	1008	288	6.31	7.57	9.46
	672	288	9.46	11.36	14.20
	336	256	21.30	25.56	31.95
120,000	1280	224	5.07	6.08	7.60
	1280	192	5.91	7.10	8.87
	1008	224	6.76	8.11	10.14
	672	224	10.14	12.17	15.21
	336	224	20.28	24.34	30.43
	336	192	23.66	28.40	35.50

ACS-1E 256GB model Nomal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
200,000	1280	112	6.08	7.30	9.12
	1280	96	7.10	8.52	10.65
	1280	64	10.65	12.78	15.97
	1008	112	8.11	9.73	12.17
	672	112	12.17	14.60	18.25
	336	112	24.34	29.21	36.51
220,000	1280	96	6.45	7.74	9.68
	336	96	25.82	30.98	38.73

ACS-1E 256GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
65,000 or less	1280	896	4.68	5.61	7.02
75,000	1280	800	4.54	5.45	6.81
100,000	1280	576	4.73	5.68	7.10
	672	576	9.46	11.36	14.20
120,000	1280	448	5.07	6.08	7.60
	672	448	10.14	12.17	15.21
200,000	1280	224	6.08	7.30	9.12
	336	224	24.34	29.21	36.51
220,000	1280	192	6.45	7.74	9.68
	336	192	25.82	30.98	38.73

ACS-1

■ Frame Rates and Valid Pixels ACS-1 Normal mode (1/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
35,000 or less	1280	896	28.16	19.712	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	4:3 (VGA)
	336	256	7.392	5.632	Split
40,000	1280	800	28.16	17.6	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	4:3 (VGA)
	336	256	7.392	5.632	Split
45,000	1280	720	28.16	15.84	Split
	1008	720	22.176	15.84	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split



- 35,000 or less includes 30,000, 20,000, 10,000, 5,000, 2,000, 1,000, 500, 100, 60 and 50 fps.

Custom Frame Size : In units of 16 horizontal pixels and 16 vertical pixels

■ Frame Rates and Valid Pixels ACS-1 Normal mode (2/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
50,000	1280	640	28.16	14.08	Split
	1280	576	28.16	12.672	Split
	1008	640	22.176	14.08	Split
	672	576	14.784	12.672	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split
60,000	1280	528	28.16	11.616	Split
	1008	528	22.176	11.616	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	4:3 (VGA)
	336	256	7.392	5.632	Split
65,000	1280	480	28.16	10.56	Split
	1280	448	28.16	9.856	Split
	1008	480	22.176	10.56	Split
	672	480	14.784	10.56	Split
	672	448	14.784	9.856	Split
	640	480	14.08	10.56	4:3 (VGA)
	336	256	7.392	5.632	Split
75,000	1280	400	28.16	8.8	Split
	1008	400	22.176	8.8	Split
	672	400	14.784	8.8	Split
	336	256	7.392	5.632	Split
100,000	1280	288	28.16	6.336	Split
	1008	288	22.176	6.336	Split
	672	288	14.784	6.336	Split
	336	256	7.392	5.632	Split
120,000	1280	224	28.16	4.928	Split
	1008	224	22.176	4.928	Split
	672	224	14.784	4.928	Split
	336	224	7.392	4.928	Split

■ Frame Rates and Valid Pixels ACS-1 Normal mode (3/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
200,000	1280	112	28.16	2.464	Split
	1280	96	28.16	2.112	Split
	1280	64	28.16	1.408	Split
	1008	112	22.176	2.464	Split
	672	112	14.784	2.464	Split
	336	112	7.392	2.464	Split
	336	96	7.392	2.112	Split
	336	64	7.392	1.408	Split
300,000	1280	48	28.16	1.056	Split
	336	48	7.392	1.056	Split
400,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split
500,000	1280	16	28.16	0.352	Split
	336	16	7.392	0.352	Split
540,000	1280	16	28.16	0.352	Split
	336	16	7.392	0.352	Split

■ Frame Rates and Valid Pixels ACS-1 Boost mode

Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
40,000	1280	896	28.16	19.712	Split
45,000	1280	896	28.16	19.712	Split
50,000	1280	896	28.16	19.712	Split
60,000	1280	896	28.16	19.712	Split
65,000	1280	896	28.16	19.712	Split
75,000	1280	800	28.16	17.6	Split
100,000	1280	576	28.16	12.672	Split
	672	576	14.784	12.672	Split
120,000	1280	448	28.16	9.856	Split
	672	448	14.784	9.856	Split
200,000	1280	224	28.16	4.928	Split
	336	224	7.392	4.928	Split
300,000	1280	96	28.16	2.112	Split
	336	96	7.392	2.112	Split
400,000	1280	64	28.16	1.408	Split
	336	64	7.392	1.408	Split
500,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split
540,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split



ATTENTION • Boost mode supports only Mono, not color.



CHECK • Boost mode is preset only.
• Custom frame rate and custom frame size functions cannot be used.

■ Recording Time

ACS-1 64GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000 or less	1280	896	1.08	1.30	1.62
	1280	720	1.35	1.62	2.02
	1008	768	1.69	2.02	2.53
	672	512	3.80	4.56	5.70
	512	512	3.80	4.56	5.70
	640	480	4.05	4.86	6.08
	336	256	15.21	18.25	22.81
40,000	1280	800	1.06	1.27	1.59
	1280	720	1.18	1.41	1.77
	1008	768	1.47	1.77	2.21
	672	512	3.32	3.99	4.99
	512	512	3.32	3.99	4.99
	640	480	3.54	4.25	5.32
	336	256	13.30	15.97	19.96
45,000	1280	720	1.05	1.26	1.57
	1008	720	1.40	1.68	2.10
	672	512	2.95	3.54	4.43
	512	512	2.95	3.54	4.43
	640	480	3.15	3.78	4.73
	336	256	11.83	14.19	17.74
50,000	1280	640	1.06	1.27	1.59
	1280	576	1.18	1.41	1.77
	1008	640	1.41	1.70	2.12
	672	576	2.36	2.83	3.54
	672	512	2.66	3.19	3.99
	512	512	2.66	3.19	3.99
	640	480	2.83	3.40	4.25
	336	256	10.64	12.77	15.97

ACS-1 64GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	1.07	1.29	1.61
	1008	528	1.43	1.72	2.15
	672	512	2.21	2.66	3.32
	512	512	2.21	2.66	3.32
	640	480	2.36	2.83	3.54
	336	256	8.87	10.64	13.30
65,000	1280	480	1.09	1.31	1.63
	1280	448	1.17	1.40	1.75
	1008	480	1.45	1.74	2.18
	672	480	2.18	2.62	3.27
	672	448	2.34	2.80	3.51
	640	480	2.18	2.62	3.27
	336	256	8.19	9.82	12.28
75,000	1280	400	1.13	1.36	1.70
	1008	400	1.51	1.81	2.27
	672	400	2.27	2.72	3.40
	336	256	7.09	8.51	10.64
100,000	1280	288	1.18	1.41	1.77
	1008	288	1.57	1.89	2.36
	672	288	2.36	2.83	3.54
	336	256	5.32	6.38	7.98
120,000	1280	224	1.26	1.52	1.90
	1008	224	1.69	2.02	2.53
	672	224	2.53	3.04	3.80
	336	224	5.07	6.08	7.60

ACS-1 64GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
200,000	1280	112	1.52	1.82	2.28
	1280	96	1.77	2.12	2.66
	1280	64	2.66	3.19	3.99
	1008	112	2.02	2.43	3.04
	672	112	3.04	3.65	4.56
	336	112	6.08	7.30	9.12
	336	96	7.09	8.51	10.64
	336	64	10.64	12.77	15.97
300,000	1280	48	2.36	2.83	3.54
	336	48	9.46	11.35	14.19
400,000	1280	32	2.66	3.19	3.99
	336	32	10.64	12.77	15.97
500,000	1280	16	4.25	5.11	6.38
	336	16	17.03	20.44	25.55
540,000	1280	16	3.94	4.73	5.91
	336	16	15.77	18.92	23.66

ACS-1 64GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
65,000 or less	1280	896	1.17	1.40	1.75
75,000	1280	800	1.13	1.36	1.70
100,000	1280	576	1.18	1.41	1.77
	672	576	2.36	2.83	3.54
120,000	1280	448	1.26	1.52	1.90
	672	448	2.53	3.04	3.80
200,000	1280	224	1.52	1.82	2.28
	336	224	6.08	7.30	9.12
300,000	1280	96	2.36	2.83	3.54
	336	96	9.46	11.35	14.19
400,000	1280	64	2.66	3.19	3.99
	336	64	10.64	12.77	15.97
500,000	1280	32	4.25	5.11	6.38
	336	32	17.03	20.44	25.55
540,000	1280	32	3.94	4.73	5.91
	336	32	15.77	18.92	23.66



ACS-1 128GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000 or less	1280	896	2.17	2.60	3.26
	1280	720	2.70	3.24	4.05
	1008	768	3.38	4.05	5.07
	672	512	7.60	9.12	11.41
	512	512	7.60	9.12	11.41
	640	480	8.11	9.73	12.17
	336	256	30.42	36.51	45.64
40,000	1280	800	2.12	2.55	3.19
	1280	720	2.36	2.83	3.54
	1008	768	2.95	3.54	4.43
	672	512	6.65	7.98	9.98
	512	512	6.65	7.98	9.98
	640	480	7.09	8.51	10.64
	336	256	26.62	31.94	39.93
45,000	1280	720	2.10	2.52	3.15
	1008	720	2.80	3.36	4.20
	672	512	5.91	7.09	8.87
	512	512	5.91	7.09	8.87
	640	480	6.31	7.57	9.46
	336	256	23.66	28.39	35.49
50,000	1280	640	2.12	2.55	3.19
	1280	576	2.36	2.83	3.54
	1008	640	2.83	3.40	4.25
	672	576	4.73	5.67	7.09
	672	512	5.32	6.38	7.98
	512	512	5.32	6.38	7.98
	640	480	5.67	6.81	8.51
	336	256	21.29	25.55	31.94

ACS-1 128GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	2.15	2.58	3.22
	1008	528	2.86	3.44	4.30
	672	512	4.43	5.32	6.65
	512	512	4.43	5.32	6.65
	640	480	4.73	5.67	7.09
	336	256	17.74	21.29	26.62
65,000	1280	480	2.18	2.62	3.27
	1280	448	2.34	2.80	3.51
	1008	480	2.91	3.49	4.36
	672	480	4.36	5.24	6.55
	672	448	4.68	5.61	7.02
	640	480	4.36	5.24	6.55
	336	256	16.38	19.66	24.57
75,000	1280	400	2.27	2.72	3.40
	1008	400	3.02	3.63	4.54
	672	400	4.54	5.45	6.81
	336	256	14.19	17.03	21.29
100,000	1280	288	2.36	2.83	3.54
	1008	288	3.15	3.78	4.73
	672	288	4.73	5.67	7.09
	336	256	10.64	12.77	15.97
120,000	1280	224	2.53	3.04	3.80
	1008	224	3.38	4.05	5.07
	672	224	5.07	6.08	7.60
	336	224	10.14	12.17	15.21

ACS-1 128GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
200,000	1280	112	3.04	3.65	4.56
	1280	96	3.54	4.25	5.32
	1280	64	5.32	6.38	7.98
	1008	112	4.05	4.86	6.08
	672	112	6.08	7.30	9.12
	336	112	12.17	14.60	18.25
	336	96	14.19	17.03	21.29
	336	64	21.29	25.55	31.94
300,000	1280	48	4.73	5.67	7.09
	336	48	18.93	22.71	28.39
400,000	1280	32	5.32	6.38	7.98
	336	32	21.29	25.55	31.94
500,000	1280	16	8.51	10.22	12.77
	336	16	34.07	40.89	51.11
540,000	1280	16	7.88	9.46	11.83
	336	16	31.55	37.86	47.33

ACS-1 128GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
65,000 or less	1280	896	2.34	2.80	3.51
75,000	1280	800	2.27	2.72	3.40
100,000	1280	576	2.36	2.83	3.54
	672	576	4.73	5.67	7.09
120,000	1280	448	2.53	3.04	3.80
	672	448	5.07	6.08	7.60
200,000	1280	224	3.04	3.65	4.56
	336	224	12.17	14.60	18.25
300,000	1280	96	4.73	5.67	7.09
	336	96	18.93	22.71	28.39
400,000	1280	64	5.32	6.38	7.98
	336	64	21.29	25.55	31.94
500,000	1280	32	8.51	10.22	12.77
	336	32	34.07	40.89	51.11
540,000	1280	32	7.88	9.46	11.83
	336	32	31.55	37.86	47.33



ACS-1 256GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000 or less	1280	896	4.34	5.21	6.52
	1280	720	5.41	6.49	8.11
	1008	768	6.76	8.11	10.14
	672	512	15.21	18.25	22.82
	512	512	15.21	18.25	22.82
	640	480	16.23	19.47	24.34
	336	256	60.86	73.03	91.29
40,000	1280	800	4.26	5.11	6.39
	1280	720	4.73	5.68	7.10
	1008	768	5.91	7.10	8.87
	672	512	13.31	15.97	19.97
	512	512	13.31	15.97	19.97
	640	480	14.20	17.04	21.30
	336	256	53.25	63.90	79.88
45,000	1280	720	4.20	5.04	6.31
	1008	720	5.61	6.73	8.41
	672	512	11.83	14.20	17.75
	512	512	11.83	14.20	17.75
	640	480	12.62	15.14	18.93
	336	256	47.33	56.80	71.00
50,000	1280	640	4.26	5.11	6.39
	1280	576	4.73	5.68	7.10
	1008	640	5.68	6.81	8.52
	672	576	9.46	11.36	14.20
	672	512	10.65	12.78	15.97
	512	512	10.65	12.78	15.97
	640	480	11.36	13.63	17.04
	336	256	42.60	51.12	63.90

ACS-1 256GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	4.30	5.16	6.45
	1008	528	5.73	6.88	8.60
	672	512	8.87	10.65	13.31
	512	512	8.87	10.65	13.31
	640	480	9.46	11.36	14.20
	336	256	35.50	42.60	53.25
65,000	1280	480	4.36	5.24	6.55
	1280	448	4.68	5.61	7.02
	1008	480	5.82	6.99	8.73
	672	480	8.73	10.48	13.10
	672	448	9.36	11.23	14.04
	640	480	8.73	10.48	13.10
	336	256	32.77	39.32	49.15
75,000	1280	400	4.54	5.45	6.81
	1008	400	6.05	7.27	9.08
	672	400	9.08	10.90	13.63
	336	256	28.40	34.08	42.60
100,000	1280	288	4.73	5.68	7.10
	1008	288	6.31	7.57	9.46
	672	288	9.46	11.36	14.20
	336	256	21.30	25.56	31.95
120,000	1280	224	5.07	6.08	7.60
	1008	224	6.76	8.11	10.14
	672	224	10.14	12.17	15.21
	336	224	20.28	24.34	30.43



ACS-1 256GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
200,000	1280	112	6.08	7.30	9.12
	1280	96	7.10	8.52	10.65
	1280	64	10.65	12.78	15.97
	1008	112	8.11	9.73	12.17
	672	112	12.17	14.60	18.25
	336	112	24.34	29.21	36.51
	336	96	28.40	34.08	42.60
	336	64	42.60	51.12	63.90
300,000	1280	48	9.46	11.36	14.20
	336	48	37.87	45.44	56.80
400,000	1280	32	10.65	12.78	15.97
	336	32	42.60	51.12	63.90
500,000	1280	16	17.04	20.45	25.56
	336	16	68.16	81.80	102.25
540,000	1280	16	15.77	18.93	23.66
	336	16	63.11	75.74	94.67

ACS-1 256GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
65,000 or less	1280	896	4.68	5.61	7.02
75,000	1280	800	4.54	5.45	6.81
100,000	1280	576	4.73	5.68	7.10
	672	576	9.46	11.36	14.20
120,000	1280	448	5.07	6.08	7.60
	672	448	10.14	12.17	15.21
200,000	1280	224	6.08	7.30	9.12
	336	224	24.34	29.21	36.51
300,000	1280	96	9.46	11.36	14.20
	336	96	37.87	45.44	56.80
400,000	1280	64	10.65	12.78	15.97
	336	64	42.60	51.12	63.90
500,000	1280	32	17.04	20.45	25.56
	336	32	68.16	81.80	102.25
540,000	1280	32	15.77	18.93	23.66
	336	32	63.11	75.74	94.67

ACS-1 M60E

■ Frame Rates and Valid Pixels ACS-1 M60E Normal mode (1/2)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
54,000 or less	1280	896	28.16	19.712	Split
	1280	768	28.16	16.896	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
60,000	1280	800	28.16	17.6	Split
	1280	768	28.16	16.896	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
65,000	1280	736	28.16	16.192	Split
	1280	720	28.16	15.84	Split
	1280	704	28.16	15.488	Split
	1280	640	28.16	14.08	Split
	1008	736	22.176	16.192	Split
	672	640	14.784	14.08	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split



• 54,000 or less includes 50,000, 30,000, 20,000, 10,000, 5,000, 2,000, 1,000, 500, 100, 60 and 50 fps.

Custom Frame Size : In units of 16 horizontal pixels and 16 vertical pixels


■ Frame Rates and Valid Pixels ACS-1 M60E Normal mode (2/2)


Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
75,000	1280	624	28.16	13.728	Split
	1280	544	28.16	11.968	Split
	1008	624	22.176	13.728	Split
	672	544	14.784	11.968	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
100,000	1280	448	28.16	9.856	Split
	1280	384	28.16	8.448	Split
	1280	352	28.16	7.744	Split
	1008	448	22.176	9.856	Split
	672	384	14.784	8.448	Split
	672	448	14.784	9.856	Split
	672	352	14.784	7.744	Split
	336	256	7.392	5.632	Split
120,000	1280	368	28.16	8.096	Split
	1008	368	22.176	8.096	Split
	672	368	14.784	8.096	Split
	336	256	7.392	5.632	Split
150,000	1280	288	28.16	6.336	Split
	1008	288	22.176	6.336	Split
	672	288	14.784	6.336	Split
	336	256	7.392	5.632	Split
200,000	1280	192	28.16	4.224	Split
	1008	192	22.176	4.224	Split
	672	192	14.784	4.224	Split
	336	192	7.392	4.224	Split
220,000	1280	176	28.16	3.872	Split
	1008	176	22.176	3.872	Split
	672	176	14.784	3.872	Split
	336	176	7.392	3.872	Split

Custom Frame Size : In units of 16 horizontal pixels and 16 vertical pixels

■ Frame Rates and Valid Pixels ACS-1 M60E Boost mode


Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
60,000	1280	896	28.16	19.712	Split
65,000	1280	896	28.16	19.712	Split
75,000	1280	896	28.16	19.712	Split
100,000	1280	896	28.16	19.712	Split
120,000	1280	704	28.16	15.488	Split
150,000	1280	544	28.16	11.968	Split
	672	544	14.784	11.968	Split
200,000	1280	384	28.16	8.448	Split
	672	384	14.784	8.448	Split
220,000	1280	352	28.16	7.744	Split
	672	352	14.784	7.744	Split


 **ATTENTION** • Boost mode supports only Mono, not color.

 **CHECK** • Boost mode is preset only.
• Custom frame rate and custom frame size functions cannot be used.

■ Frame Rates and Valid Pixels ACS-1 M60E Boost 4 mode

Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
120,000	1280	896	28.16	19.712	Split
150,000	1280	896	28.16	19.712	Split
200,000	1280	768	28.16	16.896	Split
220,000	1280	640	28.16	14.08	Split
220,000	672	640	14.784	14.08	Split

 **ATTENTION** • Boost 4 mode supports only Mono, not color.
• Please contact us or our distributors for models compatible with Boost 4 mode.

 **CHECK** • Boost 4 mode is preset only.
• Custom frame rate and custom frame size functions cannot be used.

■ Recording Time Calculations

ACS-1 M60E 64GB model Normal mode (1/2)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
54,000 or less	1280	896	0.70	0.84	1.05
	1280	768	0.82	0.98	1.23
	1280	720	0.87	1.05	1.31
	1008	768	1.09	1.31	1.64
	672	512	2.46	2.95	3.69
	640	480	2.62	3.15	3.94
	512	512	2.46	2.95	3.69
	336	256	9.85	11.83	14.78
60,000	1280	800	0.70	0.85	1.06
	1280	768	0.73	0.88	1.10
	1280	720	0.78	0.94	1.18
	1008	768	0.98	1.18	1.47
	672	512	2.21	2.66	3.32
	640	480	2.36	2.83	3.54
	512	512	2.21	2.66	3.32
	336	256	8.87	10.64	13.30
65,000	1280	736	0.71	0.85	1.06
	1280	720	0.72	0.87	1.09
	1280	704	0.74	0.89	1.11
	1280	640	0.81	0.98	1.22
	1008	736	0.94	1.13	1.42
	672	640	1.63	1.96	2.45
	672	512	2.04	2.45	3.07
	640	480	2.18	2.62	3.27
	512	512	2.04	2.45	3.07
	336	256	8.19	9.82	12.28

ACS-1 M60E 64GB model Normal mode (2/2)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	624	0.72	0.87	1.09
	1280	544	0.83	1.00	1.25
	1008	624	0.97	1.16	1.45
	672	544	1.67	2.00	2.50
	672	512	1.77	2.12	2.66
	640	480	1.89	2.27	2.83
	512	512	1.77	2.12	2.66
	336	256	7.09	8.51	10.64
100,000	1280	448	0.76	0.91	1.14
	1280	384	0.88	1.06	1.33
	1280	352	0.96	1.16	1.45
	1008	448	1.01	1.21	1.52
	672	384	1.77	2.12	2.66
	672	448	1.52	1.82	2.28
	672	352	1.93	2.32	2.90
	336	256	5.32	6.38	7.98
120,000	1280	368	0.77	0.92	1.15
	1008	368	1.02	1.23	1.54
	672	368	1.54	1.85	2.31
	336	256	4.43	5.32	6.65
150,000	1280	288	0.78	0.94	1.18
	1008	288	1.05	1.26	1.57
	672	288	1.57	1.89	2.36
	336	256	3.54	4.25	5.32
200,000	1280	192	0.88	1.06	1.33
	1008	192	1.18	1.41	1.77
	672	192	1.77	2.12	2.66
	336	192	3.54	4.25	5.32
220,000	1280	176	0.87	1.05	1.31
	1008	176	1.17	1.40	1.75
	672	176	1.75	2.11	2.63
	336	176	3.51	4.22	5.27

ACS-1 M60E 64GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	896	1.26	1.52	1.90
65,000	1280	896	1.17	1.40	1.75
75,000	1280	896	1.01	1.21	1.52
100,000	1280	896	0.76	0.91	1.14
120,000	1280	704	0.80	0.96	1.20
150,000	1280	544	0.83	1.00	1.25
	672	544	1.67	2.00	2.50
200,000	1280	384	0.88	1.06	1.33
	672	384	1.77	2.12	2.66
220,000	1280	352	0.87	1.05	1.31
	672	352	1.75	2.11	2.63

ACS-1 M60E 64GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
120,000	1280	896	1.26	1.52	1.90
150,000	1280	896	1.01	1.21	1.52
200,000	1280	768	0.88	1.06	1.33
220,000	1280	640	0.96	1.16	1.45
	672	640	1.93	2.32	2.90



ACS-1 M60E 128GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
54,000 or less	1280	896	1.40	1.69	2.11
	1280	768	1.64	1.97	2.46
	1280	720	1.75	2.10	2.62
	1008	768	2.19	2.62	3.28
	672	512	4.93	5.91	7.39
	640	480	5.25	6.31	7.88
	512	512	4.93	5.91	7.39
	336	256	19.72	23.66	29.58
60,000	1280	800	1.41	1.70	2.12
	1280	768	1.47	1.77	2.21
	1280	720	1.57	1.89	2.36
	1008	768	1.97	2.36	2.95
	672	512	4.43	5.32	6.65
	640	480	4.73	5.67	7.09
	512	512	4.43	5.32	6.65
	336	256	17.74	21.29	26.62
65,000	1280	736	1.42	1.70	2.13
	1280	720	1.45	1.74	2.18
	1280	704	1.48	1.78	2.23
	1280	640	1.63	1.96	2.45
	1008	736	1.89	2.27	2.84
	672	640	3.27	3.93	4.91
	672	512	4.09	4.91	6.14
	640	480	4.36	5.24	6.55
	512	512	4.09	4.91	6.14
	336	256	16.38	19.66	24.57

ACS-1 M60E 128GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	624	1.45	1.74	2.18
	1280	544	1.67	2.00	2.50
	1008	624	1.94	2.33	2.91
	672	544	3.34	4.00	5.01
	672	512	3.54	4.25	5.32
	640	480	3.78	4.54	5.67
	512	512	3.54	4.25	5.32
	336	256	14.19	17.03	21.29
100,000	1280	448	1.52	1.82	2.28
	1280	384	1.77	2.12	2.66
	1280	352	1.93	2.32	2.90
	1008	448	2.02	2.43	3.04
	672	384	3.54	4.25	5.32
	672	448	3.04	3.65	4.56
	672	352	3.87	4.64	5.80
	336	256	10.64	12.77	15.97
120,000	1280	368	1.54	1.85	2.31
	1008	368	2.05	2.46	3.08
	672	368	3.08	3.70	4.63
	336	256	8.87	10.64	13.31
150,000	1280	288	1.57	1.89	2.36
	1008	288	2.10	2.52	3.15
	672	288	3.15	3.78	4.73
	336	256	7.09	8.51	10.64
200,000	1280	192	1.77	2.12	2.66
	1008	192	2.36	2.83	3.54
	672	192	3.54	4.25	5.32
	336	192	7.09	8.51	10.64
220,000	1280	176	1.76	2.11	2.64
	1008	176	2.34	2.81	3.52
	672	176	3.52	4.22	5.28
	336	176	7.04	8.44	10.56

ACS-1 M60E 128GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	896	2.53	3.04	3.80
65,000	1280	896	2.34	2.80	3.51
75,000	1280	896	2.02	2.43	3.04
100,000	1280	896	1.52	1.82	2.28
120,000	1280	704	1.61	1.93	2.42
150,000	1280	544	1.67	2.00	2.50
	672	544	3.34	4.00	5.01
200,000	1280	384	1.77	2.12	2.66
	672	384	3.54	4.25	5.32
220,000	1280	352	1.76	2.11	2.64
	672	352	3.52	4.22	5.28

ACS-1 M60E 128GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
120,000	1280	896	2.53	3.04	3.80
150,000	1280	896	2.02	2.43	3.04
200,000	1280	768	1.77	2.12	2.66
220,000	1280	640	1.93	2.32	2.90
	672	640	3.87	4.64	5.80

ACS-1 M60E 256GB model Normal mode (1/2)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
54,000 or less	1280	896	2.81	3.38	4.22
	1280	768	3.28	3.94	4.93
	1280	720	3.50	4.20	5.25
	1008	768	4.38	5.25	6.57
	672	512	9.86	11.83	14.79
	640	480	10.51	12.62	15.77
	512	512	9.86	11.83	14.79
60,000	336	256	39.44	47.33	59.17
	1280	800	2.84	3.40	4.26
	1280	768	2.95	3.55	4.43
	1280	720	3.15	3.78	4.73
	1008	768	3.94	4.73	5.91
	672	512	8.87	10.65	13.31
	640	480	9.46	11.36	14.20
65,000	512	512	8.87	10.65	13.31
	336	256	35.50	42.60	53.25
	1280	736	2.84	3.41	4.27
	1280	720	2.91	3.49	4.36
	1280	704	2.97	3.57	4.46
	1280	640	3.27	3.93	4.91
	1008	736	3.79	4.55	5.69
	672	640	6.55	7.86	9.83
	672	512	8.19	9.83	12.28
	640	480	8.73	10.48	13.10
512	512	8.19	9.83	12.28	
336	256	32.77	39.32	49.15	



ACS-1 M60E 256GB model Normal mode (2/2)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	624	2.91	3.49	4.36
	1280	544	3.34	4.00	5.01
	1008	624	3.88	4.66	5.82
	672	544	6.68	8.01	10.02
	672	512	7.10	8.52	10.65
	640	480	7.57	9.08	11.36
	512	512	7.10	8.52	10.65
	336	256	28.40	34.08	42.60
100,000	1280	448	3.04	3.65	4.56
	1280	384	3.55	4.26	5.32
	1280	352	3.87	4.64	5.80
	1008	448	4.05	4.86	6.08
	672	384	7.10	8.52	10.65
	672	448	6.08	7.30	9.12
	672	352	7.74	9.29	11.61
	336	256	21.30	25.56	31.95
120,000	1280	368	3.08	3.70	4.63
	1008	368	4.11	4.93	6.17
	672	368	6.17	7.40	9.26
	336	256	17.75	21.30	26.62
150,000	1280	288	3.15	3.78	4.73
	1008	288	4.20	5.04	6.31
	672	288	6.31	7.57	9.46
	336	256	14.20	17.04	21.30
200,000	1280	192	3.55	4.26	5.32
	1008	192	4.73	5.68	7.10
	672	192	7.10	8.52	10.65
	336	192	14.20	17.04	21.30
220,000	1280	176	3.52	4.22	5.28
	1008	176	4.69	5.63	7.04
	672	176	7.04	8.45	10.56
	336	176	14.08	16.90	21.12

ACS-1 M60E 256GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60000	1280	896	5.07	6.08	7.60
65000	1280	896	4.68	5.61	7.02
75000	1280	896	4.05	4.86	6.08
100,000	1280	896	3.04	3.65	4.56
120,000	1280	704	3.22	3.87	4.84
150,000	1280	544	3.34	4.00	5.01
	672	544	6.68	8.01	10.02
200,000	1280	384	3.55	4.26	5.32
	672	384	7.10	8.52	10.65
220,000	1280	352	3.52	4.22	5.28
	672	352	7.04	8.45	10.56

ACS-1 M60E 256GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
120,000	1280	896	5.07	6.08	7.60
150,000	1280	896	4.05	4.86	6.08
200,000	1280	768	3.55	4.26	5.32
220,000	1280	640	3.87	4.64	5.80
	672	640	7.74	9.29	11.61

ACS-1 M60

■ Frame Rates and Valid Pixels ACS-1 M60 Normal mode (1/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
54,000 or less	1280	896	28.16	19.712	Split
	1280	768	28.16	16.896	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
60,000	1280	800	28.16	17.6	Split
	1280	768	28.16	16.896	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
65,000	1280	736	28.16	16.192	Split
	1280	720	28.16	15.84	Split
	1280	704	28.16	15.488	Split
	1008	736	22.176	16.192	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split



- 54,000 or less includes 54,000, 50,000, 30,000, 20,000, 10,000, 5,000, 2,000, 1,000, 500, 100, 60 and 50 fps.

■ Frame Rates and Valid Pixels ACS-1 M60 Normal mode (2/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
75,000	1280	624	28.16	13.728	Split
	1280	544	28.16	11.968	Split
	1008	624	22.176	13.728	Split
	672	544	14.784	11.968	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
100,000	1280	448	28.16	9.856	Split
	1280	384	28.16	8.448	Split
	1008	448	22.176	9.856	Split
	672	448	14.784	8.448	Split
	672	384	14.784	9.856	Split
	336	256	7.392	5.632	Split
120,000	1280	368	28.16	8.096	Split
	1008	368	22.176	8.096	Split
	672	368	14.784	8.096	Split
	336	256	7.392	5.632	Split
150,000	1280	288	28.16	6.336	Split
	1008	288	22.176	6.336	Split
	672	288	14.784	6.336	Split
	336	256	7.392	5.632	Split
200,000	1280	192	28.16	4.224	Split
	1280	128	28.16	2.816	Split
	1008	192	22.176	4.224	Split
	672	192	14.784	4.224	Split
	336	192	7.392	4.224	Split
	336	128	7.392	2.816	Split
300,000	1280	96	28.16	2.112	Split
	1280	64	28.16	1.408	Split
	1008	96	22.176	2.112	Split
	672	96	14.784	2.112	Split
	336	96	7.392	2.112	Split
	336	64	7.392	1.408	Split





■ Frame Rates and Valid Pixels ACS-1 M60 Normal mode (3/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
400,000	1280	48	28.16	1.056	Split
	336	48	7.392	1.056	Split
500,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split
700,000	1280	16	28.16	0.352	Split
	336	16	7.392	0.352	Split
1,000,000	1280	16	28.16	0.352	Split
	336	16	7.392	0.352	Split

■ Frame Rates and Valid Pixels ACS-1M60 Boost mode

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
60,000	1280	896	28.16	19.712	Split
65,000	1280	896	28.16	19.712	Split
75,000	1280	896	28.16	19.712	Split
100,000	1280	896	28.16	19.712	Split
120,000	1280	704	28.16	15.488	Split
150,000	1280	544	28.16	11.968	Split
	672	544	14.784	11.968	Split
200,000	1280	384	28.16	8.448	Split
	672	384	14.784	8.448	Split
300,000	1280	192	28.16	4.224	Split
	336	192	7.392	4.224	Split
400,000	1280	96	28.16	2.112	Split
	336	96	7.392	2.112	Split
500,000	1280	64	28.16	1.408	Split
	336	64	7.392	1.408	Split
700,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split
1,000,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split

 **ATTENTION** • Boost mode supports only Mono, not color.

 **CHECK** • Boost mode is preset only.
• Custom frame rate and custom frame size functions cannot be used.



■ Frame Rates and Valid Pixels ACS-1M60 Boost 4 mode

Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
120,000	1280	896	28.16	19.712	Split
150,000	1280	896	28.16	19.712	Split
200,000	1280	768	28.16	16.896	Split
300,000	1280	384	28.16	8.448	Split
	672	384	14.784	8.448	Split
400,000	1280	192	28.16	4.224	Split
	336	192	7.392	4.224	Split
500,000	1280	128	28.16	2.816	Split
	336	128	7.392	2.816	Split
700,000	1280	64	28.16	1.408	Split
	336	64	7.392	1.408	Split



- Boost 4 mode supports only Mono, not color.
- Please contact us or our distributors for models compatible with Boost 4 mode.



- Boost 4 mode is preset only.
- Custom frame rate and custom frame size functions cannot be used.

■ Recording Time Calculations ACS-1 M60 64GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
54,000 or less	1280	896	0.70	0.84	1.05
	1280	768	0.82	0.98	1.23
	1280	720	0.87	1.05	1.31
	1008	768	1.09	1.31	1.64
	672	512	2.46	2.95	3.69
	640	480	2.62	3.15	3.94
	512	512	2.46	2.95	3.69
	336	256	9.85	11.83	14.78
60,000	1280	800	0.70	0.85	1.06
	1280	768	0.73	0.88	1.10
	1280	720	0.78	0.94	1.18
	1008	768	0.98	1.18	1.47
	672	512	2.21	2.66	3.32
	640	480	2.36	2.83	3.54
	512	512	2.21	2.66	3.32
	336	256	8.87	10.64	13.30
65,000	1280	736	0.71	0.85	1.06
	1280	720	0.72	0.87	1.09
	1280	704	0.74	0.89	1.11
	1008	736	0.94	1.13	1.42
	672	512	2.04	2.45	3.07
	640	480	2.18	2.62	3.27
	512	512	2.04	2.45	3.07
	336	256	8.19	9.82	12.28
75,000	1280	624	0.72	0.87	1.09
	1280	544	0.83	1.00	1.25
	1008	624	0.97	1.16	1.45
	672	544	1.67	2.00	2.50
	672	512	1.77	2.12	2.66
	640	480	1.89	2.27	2.83
	512	512	1.77	2.12	2.66
	336	256	7.09	8.51	10.64



ACS-1 M60 64GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
100,000	1280	448	0.76	0.91	1.14
	1280	384	0.88	1.06	1.33
	1008	448	1.01	1.21	1.52
	672	448	1.52	1.82	2.28
	672	384	1.77	2.12	2.66
	336	256	5.32	6.38	7.98
120,000	1280	368	0.77	0.92	1.15
	1008	368	1.02	1.23	1.54
	672	368	1.54	1.85	2.31
	336	256	4.43	5.32	6.65
150,000	1280	288	0.78	0.94	1.18
	1008	288	1.05	1.26	1.57
	672	288	1.57	1.89	2.36
	336	256	3.54	4.25	5.32
200,000	1280	192	0.88	1.06	1.33
	1280	128	1.33	1.59	1.99
	1008	192	1.18	1.41	1.77
	672	192	1.77	2.12	2.66
	336	192	3.54	4.25	5.32
	336	128	5.32	6.38	7.98
300,000	1280	96	1.18	1.41	1.77
	1280	64	1.77	2.12	2.66
	1008	96	1.57	1.89	2.36
	672	96	2.36	2.83	3.54
	336	96	4.73	5.67	7.09
	336	64	7.09	8.51	10.64
400,000	1280	48	1.77	2.12	2.66
	336	48	7.09	8.51	10.64
500,000	1280	32	2.12	2.55	3.19
	336	32	8.51	10.22	12.77
700,000	1280	16	3.04	3.65	4.56
	336	16	12.16	14.60	18.25

ACS-1 M60 64GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
1,000,000	1280	16	2.12	2.55	3.19
	336	16	8.51	10.22	12.77

ACS-1 M60 64GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	896	1.26	1.52	1.90
65,000	1280	896	1.17	1.40	1.75
75,000	1280	896	1.01	1.21	1.52
100,000	1280	896	0.76	0.91	1.14
120,000	1280	704	0.80	0.96	1.20
150,000	1280	544	0.83	1.00	1.25
	672	544	1.67	2.00	2.50
200,000	1280	384	0.88	1.06	1.33
	672	384	1.77	2.12	2.66
300,000	1280	192	1.18	1.41	1.77
	336	192	4.73	5.67	7.09
400,000	1280	96	1.77	2.12	2.66
	336	96	7.09	8.51	10.64
500,000	1280	64	2.12	2.55	3.19
	336	64	8.51	10.22	12.77
700,000	1280	32	3.04	3.65	4.56
	336	32	12.16	14.60	18.25
1,000,000	1280	32	2.12	2.55	3.19
	336	32	8.51	10.22	12.77

ACS-1 M60 64GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
120,000	1280	896	1.26	1.52	1.90
150,000	1280	896	1.01	1.21	1.52
200,000	1280	768	0.88	1.06	1.33
300,000	1280	384	1.18	1.41	1.77
	672	384	2.36	2.83	3.54
400,000	1280	192	1.77	2.12	2.66
	336	192	7.09	8.51	10.64
500,000	1280	128	2.12	2.55	3.19
	336	128	8.51	10.22	12.77
700,000	1280	64	3.04	3.65	4.56
	336	64	12.16	14.60	18.25

ACS-1 M60 128GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
54,000 or less	1280	896	1.40	1.69	2.11
	1280	768	1.64	1.97	2.46
	1280	720	1.75	2.10	2.62
	1008	768	2.19	2.62	3.28
	672	512	4.93	5.91	7.39
	640	480	5.25	6.31	7.88
	512	512	4.93	5.91	7.39
	336	256	19.72	23.66	29.58
60,000	1280	800	1.41	1.70	2.12
	1280	768	1.47	1.77	2.21
	1280	720	1.57	1.89	2.36
	1008	768	1.97	2.36	2.95
	672	512	4.43	5.32	6.65
	640	480	4.73	5.67	7.09
	512	512	4.43	5.32	6.65
	336	256	17.74	21.29	26.62
65,000	1280	736	1.42	1.70	2.13
	1280	720	1.45	1.74	2.18
	1280	704	1.48	1.78	2.23
	1008	736	1.89	2.27	2.84
	672	512	4.09	4.91	6.14
	640	480	4.36	5.24	6.55
	512	512	4.09	4.91	6.14
	336	256	16.38	19.66	24.57
75,000	1280	624	1.45	1.74	2.18
	1280	544	1.67	2.00	2.50
	1008	624	1.94	2.33	2.91
	672	544	3.34	4.00	5.01
	672	512	3.54	4.25	5.32
	640	480	3.78	4.54	5.67
	512	512	3.54	4.25	5.32
	336	256	14.19	17.03	21.29



ACS-1 M60 128GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
100,000	1280	448	1.52	1.82	2.28
	1280	384	1.77	2.12	2.66
	1008	448	2.02	2.43	3.04
	672	384	3.54	4.25	5.32
	672	448	3.04	3.65	4.56
	336	256	10.64	12.77	15.97
120,000	1280	368	1.54	1.85	2.31
	1008	368	2.05	2.46	3.08
	672	368	3.08	3.70	4.63
	336	256	8.87	10.64	13.31
150,000	1280	288	1.57	1.89	2.36
	1008	288	2.10	2.52	3.15
	672	288	3.15	3.78	4.73
	336	256	7.09	8.51	10.64
200,000	1280	192	1.77	2.12	2.66
	1280	128	2.66	3.19	3.99
	1008	192	2.36	2.83	3.54
	672	192	3.54	4.25	5.32
	336	192	7.09	8.51	10.64
	336	128	10.64	12.77	15.97
300,000	1280	96	2.36	2.83	3.54
	1280	64	3.54	4.25	5.32
	1008	96	3.15	3.78	4.73
	672	96	4.73	5.67	7.09
	336	96	9.46	11.35	14.19
	336	64	14.19	17.03	21.29
400,000	1280	48	3.54	4.25	5.32
	336	48	14.19	17.03	21.29
500,000	1280	32	4.25	5.11	6.38
	336	32	17.03	20.44	25.55
700,000	1280	16	6.08	7.30	9.12
	336	16	24.34	29.21	36.51

ACS-1 M60 128GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
1,000,000	1280	16	4.25	5.11	6.38
	336	16	17.03	20.44	25.55

ACS-1 M60 128GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	896	2.53	3.04	3.80
65,000	1280	896	2.34	2.80	3.51
75,000	1280	896	2.02	2.43	3.04
100,000	1280	896	1.52	1.82	2.28
120,000	1280	704	1.61	1.93	2.42
150,000	1280	544	1.67	2.00	2.50
	672	544	3.34	4.00	5.01
200,000	1280	384	1.77	2.12	2.66
	672	384	3.54	4.25	5.32
300,000	1280	192	2.36	2.83	3.54
	336	192	9.46	11.35	14.19
400,000	1280	96	3.54	4.25	5.32
	336	96	14.19	17.03	21.29
500,000	1280	64	4.25	5.11	6.38
	336	64	17.03	20.44	25.55
700,000	1280	32	6.08	7.30	9.12
	336	32	24.34	29.21	36.51
1,000,000	1280	32	4.25	5.11	6.38
	336	32	17.03	20.44	25.55



ACS-1 M60 128GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
120,000	1280	896	2.53	3.04	3.80
150,000	1280	896	2.02	2.43	3.04
200,000	1280	768	1.77	2.12	2.66
300,000	1280	384	2.36	2.83	3.54
	672	384	4.73	5.67	7.09
400,000	1280	192	3.54	4.25	5.32
	336	192	14.19	17.03	21.29
500,000	1280	128	4.25	5.11	6.38
	336	128	17.03	20.44	25.55
700,000	1280	64	6.08	7.30	9.12
	336	64	24.34	29.21	36.51

ACS-1 M60 256GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
54,000 or less	1280	896	2.81	3.38	4.22
	1280	768	3.28	3.94	4.93
	1280	720	3.50	4.20	5.25
	1008	768	4.38	5.25	6.57
	672	512	9.86	11.83	14.79
	640	480	10.51	12.62	15.77
	512	512	9.86	11.83	14.79
	336	256	39.44	47.33	59.17
60,000	1280	800	2.84	3.40	4.26
	1280	768	2.95	3.55	4.43
	1280	720	3.15	3.78	4.73
	1008	768	3.94	4.73	5.91
	672	512	8.87	10.65	13.31
	640	480	9.46	11.36	14.20
	512	512	8.87	10.65	13.31
	336	256	35.50	42.60	53.25
65,000	1280	736	2.84	3.41	4.27
	1280	720	2.91	3.49	4.36
	1280	704	2.97	3.57	4.46
	1008	736	3.79	4.55	5.69
	672	512	8.19	9.83	12.28
	640	480	8.73	10.48	13.10
	512	512	8.19	9.83	12.28
	336	256	32.77	39.32	49.15
75,000	1280	624	2.91	3.49	4.36
	1280	544	3.34	4.00	5.01
	1008	624	3.88	4.66	5.82
	672	544	6.68	8.01	10.02
	672	512	7.10	8.52	10.65
	640	480	7.57	9.08	11.36
	512	512	7.10	8.52	10.65
	336	256	28.40	34.08	42.60



ACS-1 M60 256GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
100,000	1280	448	3.04	3.65	4.56
	1280	384	3.55	4.26	5.32
	1008	448	4.05	4.86	6.08
	672	448	6.08	7.30	9.12
	672	384	7.10	8.52	10.65
	336	256	21.30	25.56	31.95
120,000	1280	368	3.08	3.70	4.63
	1008	368	4.11	4.93	6.17
	672	368	6.17	7.40	9.26
	336	256	17.75	21.30	26.62
150,000	1280	288	3.15	3.78	4.73
	1008	288	4.20	5.04	6.31
	672	288	6.31	7.57	9.46
	336	256	14.20	17.04	21.30
200,000	1280	192	3.55	4.26	5.32
	1280	128	5.32	6.39	7.98
	1280	128	5.32	6.39	7.98
	1008	192	4.73	5.68	7.10
	672	192	7.10	8.52	10.65
	336	192	14.20	17.04	21.30
	336	128	21.30	25.56	31.95
300,000	1280	96	4.73	5.68	7.10
	1280	64	7.10	8.52	10.65
	1008	96	6.31	7.57	9.46
	672	96	9.46	11.36	14.20
	336	96	18.93	22.72	28.40
	336	64	28.40	34.08	42.60
400,000	1280	48	7.10	8.52	10.65
	336	48	28.40	34.08	42.60
500,000	1280	32	8.52	10.22	12.78
	336	32	34.08	40.90	51.12
700,000	1280	16	12.17	14.60	18.25
	336	16	48.69	58.42	73.03

ACS-1 M60 256GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
1,000,000	1280	16	8.52	10.22	12.78
	336	16	34.08	40.90	51.12

ACS-1 M60 256GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60000	1280	896	5.07	6.08	7.60
65000	1280	896	4.68	5.61	7.02
75000	1280	896	4.05	4.86	6.08
100,000	1280	896	3.04	3.65	4.56
120,000	1280	704	3.22	3.87	4.84
150,000	1280	544	3.34	4.00	5.01
	672	544	6.68	8.01	10.02
200,000	1280	384	3.55	4.26	5.32
	672	384	7.10	8.52	10.65
300,000	1280	192	4.73	5.68	7.10
	336	192	18.93	22.72	28.40
400,000	1280	96	7.10	8.52	10.65
	336	96	28.40	34.08	42.60
500,000	1280	64	8.52	10.22	12.78
	336	64	34.08	40.90	51.12
700,000	1280	32	12.17	14.60	18.25
	336	32	48.69	58.42	73.03
1,000,000	1280	32	8.52	10.22	12.78
	336	32	34.08	40.90	51.12

ACS-1 M60 256GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
120,000	1280	896	5.07	6.08	7.60
150,000	1280	896	4.05	4.86	6.08
200,000	1280	768	3.55	4.26	5.32
300,000	1280	384	4.73	5.68	7.10
	672	384	9.46	11.36	14.20
400,000	1280	192	7.10	8.52	10.65
	336	192	28.40	34.08	42.60
500,000	1280	128	8.52	10.22	12.78
	336	128	34.08	40.90	51.12
700,000	1280	64	12.17	14.60	18.25
	336	64	48.69	58.42	73.03

ACS-1 M40E

■ Frame Rates and Valid Pixels ACS-1 M40E Normal mode (1/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
35,000 or less	1280	896	28.16	19.712	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
40,000	1280	800	28.16	17.6	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
45,000	1280	720	28.16	15.84	16:9
	1280	704	28.16	15.488	Split
	1008	720	22.176	15.84	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split

Custom Frame Size : In units of 16 horizontal pixels and 16 vertical pixels



- 35,000 or less includes 30,000, 20,000, 10,000, 5,000, 2,000, 1,000, 500, 100, 60 and 50 fps.



■ Frame Rates and Valid Pixels ACS-1 M40E Normal mode (2/3)


Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
50,000	1280	640	28.16	14.08	Split
	1280	576	28.16	12.672	Split
	1008	640	22.176	14.08	Split
	672	576	14.784	12.672	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split
60,000	1280	528	28.16	11.616	Split
	1008	528	22.176	11.616	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
65,000	1280	480	28.16	10.56	Split
	1280	448	28.16	9.856	Split
	1008	480	22.176	10.56	Split
	672	480	14.784	10.56	Split
	672	448	14.784	9.856	Split
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split
75,000	1280	400	28.16	8.8	Split
	1280	384	28.16	8.448	Split
	1280	352	28.16	7.744	Split
	1008	400	22.176	8.8	Split
	672	400	14.784	8.8	Split
	672	384	14.784	8.448	Split
	672	352	14.784	7.744	Split
	336	256	7.392	5.632	VGA (4:3)
100,000	1280	288	28.16	6.336	Split
	1008	288	22.176	6.336	Split
	672	288	14.784	6.336	Split
	336	256	7.392	5.632	Split


■ Frame Rates and Valid Pixels ACS-1 M40E Normal mode (3/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
120,000	1280	224	28.16	4.928	Split
	1280	192	28.16	4.224	Split
	1008	224	22.176	4.928	Split
	672	224	14.784	4.928	Split
	336	224	7.392	4.928	Split
	336	192	7.392	4.224	Split
150,000	1280	176	28.16	3.872	Split
	1008	176	22.176	3.872	Split
	672	176	14.784	3.872	Split
	336	176	7.392	3.872	Split
200,000	1280	112	28.16	2.464	Split
	1280	96	28.16	2.112	Split
	1280	64	28.16	1.408	Split
	1008	112	22.176	2.464	Split
	672	112	14.784	2.464	Split
	336	112	7.392	2.464	Split
	336	96	7.392	2.112	Split
	336	64	7.392	1.408	Split
220,000	1280	96	28.16	2.112	Split
	336	96	7.392	2.112	Split

■ Frame Rates and Valid Pixels ACS-1 M40E Boost mode

Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
40,000	1280	896	28.16	19.712	Split
45,000	1280	896	28.16	19.712	Split
50,000	1280	896	28.16	19.712	Split
60,000	1280	896	28.16	19.712	Split
65,000	1280	896	28.16	19.712	Split
75,000	1280	800	28.16	17.6	Split
100,000	1280	576	28.16	12.672	Split
	672	576	14.784	12.672	Split
120,000	1280	448	28.16	9.856	Split
	672	448	14.784	9.856	Split
150,000	1280	352	28.16	7.744	Split
	672	352	14.784	7.744	Split
200,000	1280	224	28.16	4.928	Split
	336	224	7.392	4.928	Split
220,000	1280	192	28.16	4.224	Split
	336	192	7.392	4.224	Split

 **ATTENTION** • Boost mode supports only Mono, not color.

 **CHECK** • Boost mode is preset only.
 • Custom frame rate and custom frame size functions cannot be used.

■ Frame Rates and Valid Pixels ACS-1 M40E Boost 4 mode

Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
75,000	1280	896	28.16	19.712	Split
100,000	1280	896	28.16	19.712	Split
120,000	1280	896	28.16	19.712	Split
150,000	1280	704	28.16	15.488	Split
200,000	1280	448	28.16	9.856	Split
	672	448	14.784	9.856	Split
220,000	1280	384	28.16	8.448	Split
	672	384	14.784	8.448	Split



ATTENTION

- Boost 4 mode supports only Mono, not color.
- Please contact us or our distributors for models compatible with Boost 4 mode.



CHECK

- Boost 4 mode is preset only.
- Custom frame rate and custom frame size functions cannot be used.

Recording Time Calculations

ACS-1 M40E 64GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000	1280	896	1.08	1.30	1.62
	1280	720	1.35	1.62	2.02
	1008	768	1.69	2.02	2.53
	672	512	3.80	4.56	5.70
	640	480	4.05	4.86	6.08
	512	512	3.80	4.56	5.70
	336	256	15.21	18.25	22.81
40,000	1280	800	1.06	1.27	1.59
	1280	720	1.18	1.41	1.77
	1008	768	1.47	1.77	2.21
	672	512	3.32	3.99	4.99
	640	480	3.54	4.25	5.32
	512	512	3.32	3.99	4.99
	336	256	13.30	15.97	19.96
45,000	1280	720	1.05	1.26	1.57
	1280	704	1.07	1.29	1.61
	1008	720	1.40	1.68	2.10
	672	512	2.95	3.54	4.43
	640	480	3.15	3.78	4.73
	512	512	2.95	3.54	4.43
	336	256	11.83	14.19	17.74
50,000	1280	640	1.06	1.27	1.59
	1280	576	1.18	1.41	1.77
	1008	640	1.41	1.70	2.12
	672	576	2.36	2.83	3.54
	672	512	2.66	3.19	3.99
	512	512	2.66	3.19	3.99
	640	480	2.83	3.40	4.25
	336	256	10.64	12.77	15.97

ACS-1 M40E 64GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	1.07	1.29	1.61
	1008	528	1.43	1.72	2.15
	672	512	2.21	2.66	3.32
	640	480	2.36	2.83	3.54
	512	512	2.21	2.66	3.32
	336	256	8.87	10.64	13.30
65,000	1280	480	1.09	1.31	1.63
	1280	448	1.17	1.40	1.75
	1008	480	1.45	1.74	2.18
	672	480	2.18	2.62	3.27
	672	448	2.34	2.80	3.51
	640	480	2.18	2.62	3.27
75,000	336	256	8.19	9.82	12.28
	1280	400	1.13	1.36	1.70
	1280	384	1.18	1.41	1.77
	1280	352	1.29	1.54	1.93
	1008	400	1.51	1.81	2.27
	672	400	2.27	2.72	3.40
	672	384	2.36	2.83	3.54
	672	352	2.58	3.09	3.87
100,000	336	256	7.09	8.51	10.64
	1280	288	1.18	1.41	1.77
	1008	288	1.57	1.89	2.36
	672	288	2.36	2.83	3.54
120,000	336	256	5.32	6.38	7.98
	1280	224	1.26	1.52	1.90
	1280	192	1.47	1.77	2.21
	1008	224	1.69	2.02	2.53
	672	224	2.53	3.04	3.80
	336	224	5.07	6.08	7.60
	336	192	5.91	7.09	8.87

ACS-1 M40E 64GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
150,000	1280	176	1.29	1.54	1.93
	1008	176	1.72	2.06	2.58
	672	176	2.58	3.09	3.87
	336	176	5.16	6.19	7.74
200,000	1280	112	1.52	1.82	2.28
	1280	96	1.77	2.12	2.66
	1280	64	2.66	3.19	3.99
	1008	112	2.02	2.43	3.04
	672	112	3.04	3.65	4.56
	336	112	6.08	7.30	9.12
	336	96	7.09	8.51	10.64
	336	64	10.64	12.77	15.97
220,000	1280	96	1.61	1.93	2.41
	336	96	6.45	7.74	9.67

ACS-1 M40E 64GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	896	1.90	2.28	2.85
45,000	1280	896	1.69	2.02	2.53
50,000	1280	896	1.52	1.82	2.28
60,000	1280	896	1.26	1.52	1.90
65,000	1280	896	1.17	1.40	1.75
75,000	1280	800	1.13	1.36	1.70
100,000	1280	576	1.18	1.41	1.77
	672	576	2.36	2.83	3.54
120,000	1280	448	1.26	1.52	1.90
	672	448	2.53	3.04	3.80
150,000	1280	352	1.29	1.54	1.93
	672	352	2.58	3.09	3.87
200,000	1280	224	1.52	1.82	2.28
	336	224	6.08	7.30	9.12
220,000	1280	192	1.61	1.93	2.41
	336	192	6.45	7.74	9.67

ACS-1 M40E 64GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	896	2.02	2.43	3.04
100,000	1280	896	1.52	1.82	2.28
120,000	1280	896	1.26	1.52	1.90
150,000	1280	704	1.29	1.54	1.93
200,000	1280	448	1.52	1.82	2.28
	672	448	3.04	3.65	4.56
220,000	1280	384	1.61	1.93	2.41
	672	384	3.22	3.87	4.83



ACS-1 M40E 128GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000 or less	1280	896	2.17	2.60	3.26
	1280	720	2.70	3.24	4.05
	1008	768	3.38	4.05	5.07
	672	512	7.60	9.12	11.41
	640	480	8.11	9.73	12.17
	512	512	7.60	9.12	11.41
	336	256	30.42	36.51	45.64
40,000	1280	800	2.12	2.55	3.19
	1280	720	2.36	2.83	3.54
	1008	768	2.95	3.54	4.43
	672	512	6.65	7.98	9.98
	640	480	7.09	8.51	10.64
	512	512	6.65	7.98	9.98
	336	256	26.62	31.94	39.93
45,000	1280	720	2.10	2.52	3.15
	1280	704	2.15	2.58	3.22
	1008	720	2.80	3.36	4.20
	672	512	5.91	7.09	8.87
	640	480	6.31	7.57	9.46
	512	512	5.91	7.09	8.87
	336	256	23.66	28.39	35.49
50,000	1280	640	2.12	2.55	3.19
	1280	576	2.36	2.83	3.54
	1008	640	2.83	3.40	4.25
	672	576	4.73	5.67	7.09
	672	512	5.32	6.38	7.98
	512	512	5.32	6.38	7.98
	640	480	5.67	6.81	8.51
	336	256	21.29	25.55	31.94

ACS-1 M40E 128GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	2.15	2.58	3.22
	1008	528	2.86	3.44	4.30
	672	512	4.43	5.32	6.65
	640	480	4.73	5.67	7.09
	512	512	4.43	5.32	6.65
	336	256	17.74	21.29	26.62
65,000	1280	480	2.18	2.62	3.27
	1280	448	2.34	2.80	3.51
	1008	480	2.91	3.49	4.36
	672	480	4.36	5.24	6.55
	672	448	4.68	5.61	7.02
	640	480	4.36	5.24	6.55
	336	256	16.38	19.66	24.57
75,000	1280	400	2.27	2.72	3.40
	1280	384	2.36	2.83	3.54
	1280	352	2.58	3.09	3.87
	1008	400	3.02	3.63	4.54
	672	400	4.54	5.45	6.81
	672	384	4.73	5.67	7.09
	672	352	5.16	6.19	7.74
	336	256	14.19	17.03	21.29
100,000	1280	288	2.36	2.83	3.54
	1008	288	3.15	3.78	4.73
	672	288	4.73	5.67	7.09
	336	256	10.64	12.77	15.97
120,000	1280	224	2.53	3.04	3.80
	1280	192	2.95	3.54	4.43
	1008	224	3.38	4.05	5.07
	672	224	5.07	6.08	7.60
	336	224	10.14	12.17	15.21
	336	192	11.83	14.19	17.74

ACS-1 M40E 128GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
150,000	1280	176	2.58	3.09	3.87
	1008	176	3.44	4.13	5.16
	672	176	5.16	6.19	7.74
	336	176	10.32	12.39	15.49
200,000	1280	112	3.04	3.65	4.56
	1280	96	3.54	4.25	5.32
	1280	64	5.32	6.38	7.98
	1008	112	4.05	4.86	6.08
	672	112	6.08	7.30	9.12
	336	112	12.17	14.60	18.25
	336	96	14.19	17.03	21.29
	336	64	21.29	25.55	31.94
220,000	1280	96	3.22	3.87	4.84
	336	96	12.90	15.49	19.36

ACS-1 M40E 128GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	896	3.80	4.56	5.70
45,000	1280	896	3.38	4.05	5.07
50,000	1280	896	3.04	3.65	4.56
60,000	1280	896	2.53	3.04	3.80
65,000	1280	896	2.34	2.80	3.51
75,000	1280	800	2.27	2.72	3.40
100,000	1280	576	2.36	2.83	3.54
	672	576	4.73	5.67	7.09
120,000	1280	448	2.53	3.04	3.80
	672	448	5.07	6.08	7.60
150,000	1280	352	2.58	3.09	3.87
	672	352	5.16	6.19	7.74
200,000	1280	224	3.04	3.65	4.56
	336	224	12.17	14.60	18.25
220,000	1280	192	3.22	3.87	4.84
	336	192	12.90	15.49	19.36

ACS-1 M40E 128GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	896	4.05	4.86	6.08
100,000	1280	896	3.04	3.65	4.56
120,000	1280	896	2.53	3.04	3.80
150,000	1280	704	2.58	3.09	3.87
200,000	1280	448	3.04	3.65	4.56
	672	448	6.08	7.30	9.12
220,000	1280	384	3.22	3.87	4.84
	672	384	6.45	7.74	9.68



ACS-1 M40E 256GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000	1280	896	4.34	5.21	6.52
	1280	720	5.41	6.49	8.11
	1008	768	6.76	8.11	10.14
	672	512	15.21	18.25	22.82
	640	480	16.23	19.47	24.34
	512	512	15.21	18.25	22.82
	336	256	60.86	73.03	91.29
40,000	1280	800	4.26	5.11	6.39
	1280	720	4.73	5.68	7.10
	1008	768	5.91	7.10	8.87
	672	512	13.31	15.97	19.97
	640	480	14.20	17.04	21.30
	512	512	13.31	15.97	19.97
	336	256	53.25	63.90	79.88
45,000	1280	720	4.20	5.04	6.31
	1280	704	4.30	5.16	6.45
	1008	720	5.61	6.73	8.41
	672	512	11.83	14.20	17.75
	640	480	12.62	15.14	18.93
	512	512	11.83	14.20	17.75
	336	256	47.33	56.80	71.00
50,000	1280	640	4.26	5.11	6.39
	1280	576	4.73	5.68	7.10
	1008	640	5.68	6.81	8.52
	672	576	9.46	11.36	14.20
	672	512	10.65	12.78	15.97
	512	512	10.65	12.78	15.97
	640	480	11.36	13.63	17.04
	336	256	42.60	51.12	63.90

ACS-1 M40E 256GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	4.30	5.16	6.45
	1008	528	5.73	6.88	8.60
	672	512	8.87	10.65	13.31
	640	480	9.46	11.36	14.20
	512	512	8.87	10.65	13.31
	336	256	35.50	42.60	53.25
65,000	1280	480	4.36	5.24	6.55
	1280	448	4.68	5.61	7.02
	1008	480	5.82	6.99	8.73
	672	480	8.73	10.48	13.10
	672	448	9.36	11.23	14.04
	640	480	8.73	10.48	13.10
75,000	336	256	32.77	39.32	49.15
	1280	400	4.54	5.45	6.81
	1280	384	4.73	5.68	7.10
	1280	352	5.16	6.19	7.74
	1008	400	6.05	7.27	9.08
	672	400	9.08	10.90	13.63
	672	384	9.46	11.36	14.20
	672	352	10.32	12.39	15.49
100,000	336	256	28.40	34.08	42.60
	1280	288	4.73	5.68	7.10
	1008	288	6.31	7.57	9.46
	672	288	9.46	11.36	14.20
120,000	336	256	21.30	25.56	31.95
	1280	224	5.07	6.08	7.60
	1280	192	5.91	7.10	8.87
	1008	224	6.76	8.11	10.14
	672	224	10.14	12.17	15.21
	336	224	20.28	24.34	30.43
	336	192	23.66	28.40	35.50

ACS-1 M40E 256GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
150,000	1280	176	5.16	6.19	7.74
	1008	176	6.88	8.26	10.32
	672	176	10.32	12.39	15.49
	336	176	20.65	24.78	30.98
200,000	1280	112	6.08	7.30	9.12
	1280	96	7.10	8.52	10.65
	1280	64	10.65	12.78	15.97
	1008	112	8.11	9.73	12.17
	672	112	12.17	14.60	18.25
	336	112	24.34	29.21	36.51
	336	96	28.40	34.08	42.60
	336	64	42.60	51.12	63.90
220,000	1280	96	6.45	7.74	9.68
	336	96	25.82	30.98	38.73

ACS-1 M40E 256GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	896	7.60	9.12	11.41
45,000	1280	896	6.76	8.11	10.14
50,000	1280	896	6.08	7.30	9.12
60,000	1280	896	5.07	6.08	7.60
65,000	1280	896	4.68	5.61	7.02
75,000	1280	800	4.54	5.45	6.81
100,000	1280	576	4.73	5.68	7.10
	672	576	9.46	11.36	14.20
120,000	1280	448	5.07	6.08	7.60
	672	448	10.14	12.17	15.21
150,000	1280	352	5.16	6.19	7.74
	672	352	10.32	12.39	15.49
200,000	1280	224	6.08	7.30	9.12
	336	224	24.34	29.21	36.51
220,000	1280	192	6.45	7.74	9.68
	336	192	25.82	30.98	38.73

ACS-1 M40E 256GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	896	8.11	9.73	12.17
100,000	1280	896	6.08	7.30	9.12
120,000	1280	896	5.07	6.08	7.60
150,000	1280	704	5.16	6.19	7.74
200,000	1280	448	6.08	7.30	9.12
	672	448	12.17	14.60	18.25
220,000	1280	384	6.45	7.74	9.68
	672	384	12.91	15.49	19.36

ACS-1 M40

■ Frame Rates and Valid Pixels ACS-1 M40 Normal mode (1/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
35,000 or less	1280	896	28.16	19.712	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
40,000	1280	800	28.16	17.6	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
45,000	1280	720	28.16	15.84	16:9
	1280	704	28.16	15.488	Split
	1008	720	22.176	15.84	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split

Custom Frame Size : In units of 16 horizontal pixels and 16 vertical pixels



- 35,000 or less includes 30,000, 20,000, 10,000, 5,000, 2,000, 1,000, 500, 100, 60 and 50 fps.

■ Frame Rates and Valid Pixels ACS-1 M40 Normal mode (2/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
50,000	1280	640	28.16	14.08	Split
	1280	576	28.16	12.672	Split
	1008	640	22.176	14.08	Split
	672	576	14.784	12.672	Split
	672	512	14.784	11.264	Split
	512	512	11.264	11.264	1:1
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split
60,000	1280	528	28.16	11.616	Split
	1008	528	22.176	11.616	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
65,000	1280	480	28.16	10.56	Split
	1280	448	28.16	9.856	Split
	1008	480	22.176	10.56	Split
	672	480	14.784	10.56	Split
	672	448	14.784	9.856	Split
	640	480	14.08	10.56	VGA (4:3)
	336	256	7.392	5.632	Split
75,000	1280	400	28.16	8.8	Split
	1280	352	28.16	7.744	Split
	1008	400	22.176	8.8	Split
	672	400	14.784	8.8	Split
	672	352	14.784	7.744	Split
	336	256	7.392	5.632	VGA (4:3)
100,000	1280	288	28.16	6.336	Split
	1008	288	22.176	6.336	Split
	672	288	14.784	6.336	Split
	336	256	7.392	5.632	Split



■ Frame Rates and Valid Pixels ACS-1 M40 Normal mode (3/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
120,000	1280	224	28.16	4.928	Split
	1280	192	28.16	4.224	Split
	1008	224	22.176	4.928	Split
	672	224	14.784	4.928	Split
	336	224	7.392	4.928	Split
	336	192	7.392	4.224	Split
150,000	1280	176	28.16	3.872	Split
	1280	128	28.16	2.816	Split
	1008	176	22.176	3.872	Split
	672	176	14.784	3.872	Split
	336	176	7.392	3.872	Split
	336	128	7.392	2.816	Split
200,000	1280	112	28.16	2.464	Split
	1280	96	28.16	2.112	Split
	1280	64	28.16	1.408	Split
	1008	112	22.176	2.464	Split
	672	112	14.784	2.464	Split
	336	112	7.392	2.464	Split
	336	96	7.392	2.112	Split
	336	64	7.392	1.408	Split
300,000	1280	48	28.16	1.056	Split
	336	48	7.392	1.056	Split
400,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split
500,000	1280	16	28.16	0.352	Split
	336	16	7.392	0.352	Split
700,000	1280	16	28.16	0.352	Split
	336	16	7.392	0.352	Split

■ Frame Rates and Valid Pixels ACS-1 M40 Boost mode

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
40,000	1280	896	28.16	19.712	Split
45,000	1280	896	28.16	19.712	Split
50,000	1280	896	28.16	19.712	Split
60,000	1280	896	28.16	19.712	Split
65,000	1280	896	28.16	19.712	Split
75,000	1280	800	28.16	17.6	Split
100,000	1280	576	28.16	12.672	Split
	672	576	14.784	12.672	Split
120,000	1280	448	28.16	9.856	Split
	672	448	14.784	9.856	Split
150,000	1280	352	28.16	7.744	Split
	672	352	14.784	7.744	Split
200,000	1280	224	28.16	4.928	Split
	336	224	7.392	4.928	Split
300,000	1280	96	28.16	2.112	Split
	336	96	7.392	2.112	Split
400,000	1280	64	28.16	1.408	Split
	336	64	7.392	1.408	Split
500,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split
700,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split



ATTENTION • Boost mode supports only Mono, not color.



CHECK • Boost mode is preset only.
• Custom frame rate and custom frame size functions cannot be used.



■ Frame Rates and Valid Pixels ACS-1 M40 Boost 4 mode

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
75,000	1280	896	28.16	19.712	Split
100,000	1280	896	28.16	19.712	Split
120,000	1280	896	28.16	19.712	Split
150,000	1280	704	28.16	15.488	Split
200,000	1280	448	28.16	9.856	Split
	672	448	14.784	9.856	Split
300,000	1280	192	28.16	4.224	Split
	336	192	7.392	4.224	Split
400,000	1280	128	28.16	2.816	Split
	336	128	7.392	2.816	Split
500,000	1280	64	28.16	1.408	Split
	336	64	7.392	1.408	Split
700,000	1280	64	28.16	1.408	Split
	336	64	7.392	1.408	Split



ATTENTION

- Boost 4 mode supports only Mono, not color.
- Please contact us or our distributors for models compatible with Boost 4 mode.



CHECK

- Boost 4 mode is preset only.
- Custom frame rate and custom frame size functions cannot be used.

■ Recording Time Calculations

ACS-1 M40 64GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000 or less	1280	896	1.08	1.30	1.62
	1280	720	1.35	1.62	2.02
	1008	768	1.69	2.02	2.53
	672	512	3.80	4.56	5.70
	640	480	4.05	4.86	6.08
	512	512	3.80	4.56	5.70
	336	256	15.21	18.25	22.81
40,000	1280	800	1.06	1.27	1.59
	1280	720	1.18	1.41	1.77
	1008	768	1.40	1.68	2.10
	672	512	3.32	3.99	4.99
	640	480	3.54	4.25	5.32
	512	512	3.32	3.99	4.99
	336	256	13.30	15.97	19.96
45,000	1280	720	1.05	1.26	1.57
	1280	704	1.07	1.29	1.61
	1008	720	1.40	1.68	2.10
	672	512	2.95	3.54	4.43
	640	480	3.15	3.78	4.73
	512	512	2.95	3.54	4.43
	336	256	11.83	14.19	17.74
50,000	1280	640	1.06	1.27	1.59
	1280	576	1.18	1.41	1.77
	1008	640	1.41	1.70	2.12
	672	576	2.36	2.83	3.54
	672	512	2.66	3.19	3.99
	512	512	2.66	3.19	3.99
	640	480	2.83	3.40	4.25
	336	256	10.64	12.77	15.97

ACS-1 M40 64GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	1.07	1.29	1.61
	1008	528	1.43	1.72	2.15
	672	512	2.21	2.66	3.32
	640	480	2.36	2.83	3.54
	512	512	2.21	2.66	3.32
	336	256	8.87	10.64	13.30
65,000	1280	480	1.09	1.31	1.63
	1280	448	1.17	1.40	1.75
	1008	480	1.45	1.74	2.18
	672	480	2.18	2.62	3.27
	672	448	2.34	2.80	3.51
	640	480	2.18	2.62	3.27
75,000	1280	400	1.13	1.36	1.70
	1280	352	1.29	1.54	1.93
	1008	400	1.51	1.81	2.27
	672	400	2.27	2.72	3.40
	672	352	2.58	3.09	3.87
	336	256	7.09	8.51	10.64
100,000	1280	288	1.18	1.41	1.77
	1008	288	1.57	1.89	2.36
	672	288	2.36	2.83	3.54
	336	256	5.32	6.38	7.98
120,000	1280	224	1.26	1.52	1.90
	1280	192	1.47	1.77	2.21
	1008	224	1.69	2.02	2.53
	672	224	2.53	3.04	3.80
	336	224	5.07	6.08	7.60
	336	192	5.91	7.09	8.87

ACS-1 M40 64GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
150,000	1280	176	1.29	1.54	1.93
	1280	128	1.77	2.12	2.66
	1008	176	1.72	2.06	2.58
	672	176	2.58	3.09	3.87
	336	176	5.16	6.19	7.74
	336	128	7.09	8.51	10.64
200,000	1280	112	1.52	1.82	2.28
	1280	96	1.77	2.12	2.66
	1280	64	2.66	3.19	3.99
	1008	112	2.02	2.43	3.04
	672	112	3.04	3.65	4.56
	336	112	6.08	7.30	9.12
	336	96	7.09	8.51	10.64
	336	64	10.64	12.77	15.97
300,000	1280	48	2.36	2.83	3.54
	336	48	9.46	11.35	14.19
400,000	1280	32	2.66	3.19	3.99
	336	32	10.64	12.77	15.97
500,000	1280	16	4.25	5.11	6.38
	336	16	17.03	20.44	25.55
700,000	1280	16	3.04	3.65	4.56
	336	16	12.16	14.60	18.25



ACS-1 M40 64GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	896	1.90	2.28	2.85
45,000	1280	896	1.69	2.02	2.53
50,000	1280	896	1.52	1.82	2.28
60,000	1280	896	1.26	1.52	1.90
65,000	1280	896	1.17	1.40	1.75
75,000	1280	800	1.13	1.36	1.70
100,000	1280	576	1.18	1.41	1.77
	672	576	2.36	2.83	3.54
120,000	1280	448	1.26	1.52	1.90
	672	448	2.53	3.04	3.80
150,000	1280	352	1.29	1.54	1.93
	672	352	2.58	3.09	3.87
200,000	1280	224	1.52	1.82	2.28
	336	224	6.08	7.30	9.12
300,000	1280	96	2.36	2.83	3.54
	336	96	9.46	11.35	14.19
400,000	1280	64	2.66	3.19	3.99
	336	64	10.64	12.77	15.97
500,000	1280	32	4.25	5.11	6.38
	336	32	17.03	20.44	25.55
700,000	1280	32	3.04	3.65	4.56
	336	32	12.16	14.60	18.25

ACS-1 M40 64GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	896	2.02	2.43	3.04
100,000	1280	896	1.52	1.82	2.28
120,000	1280	896	1.26	1.52	1.90
150,000	1280	704	1.29	1.54	1.93
200,000	1280	448	1.52	1.82	2.28
	672	448	3.04	3.65	4.56
300,000	1280	192	2.36	2.83	3.54
	336	192	9.46	11.35	14.19
400,000	1280	128	2.66	3.19	3.99
	336	128	10.64	12.77	15.97
500,000	1280	64	4.25	5.11	6.38
	336	64	17.03	20.44	25.55
700,000	1280	64	3.04	3.65	4.56
	336	64	12.16	14.60	18.25



ACS-1 M40 128GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000 or less	1280	896	2.17	2.60	3.26
	1280	720	2.70	3.24	4.05
	1008	768	3.38	4.05	5.07
	672	512	7.60	9.12	11.41
	640	480	8.11	9.73	12.17
	512	512	7.60	9.12	11.41
	336	256	30.42	36.51	45.64
40,000	1280	800	2.12	2.55	3.19
	1280	720	2.36	2.83	3.54
	1008	768	2.95	3.54	4.43
	672	512	6.65	7.98	9.98
	640	480	7.09	8.51	10.64
	512	512	6.65	7.98	9.98
	336	256	26.62	31.94	39.93
45,000	1280	720	2.10	2.52	3.15
	1280	704	2.15	2.58	3.22
	1008	720	2.80	3.36	4.20
	672	512	5.91	7.09	8.87
	640	480	6.31	7.57	9.46
	512	512	5.91	7.09	8.87
	336	256	23.66	28.39	35.49
50,000	1280	640	2.12	2.55	3.19
	1280	576	2.36	2.83	3.54
	1008	640	2.83	3.40	4.25
	672	576	4.73	5.67	7.09
	672	512	5.32	6.38	7.98
	512	512	5.32	6.38	7.98
	640	480	5.67	6.81	8.51
	336	256	21.29	25.55	31.94

ACS-1 M40 128GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	2.15	2.58	3.22
	1008	528	2.86	3.44	4.30
	672	512	4.43	5.32	6.65
	640	480	4.73	5.67	7.09
	512	512	4.43	5.32	6.65
	336	256	17.74	21.29	26.62
65,000	1280	480	2.18	2.62	3.27
	1280	448	2.34	2.80	3.51
	1008	480	2.91	3.49	4.36
	672	480	4.36	5.24	6.55
	672	448	4.68	5.61	7.02
	640	480	4.36	5.24	6.55
75,000	336	256	16.38	19.66	24.57
	1280	400	2.27	2.72	3.40
	1280	352	2.58	3.09	3.87
	1008	400	3.02	3.63	4.54
	672	400	4.54	5.45	6.81
	672	352	5.16	6.19	7.74
100,000	336	256	14.19	17.03	21.29
	1280	288	2.36	2.83	3.54
	1008	288	3.15	3.78	4.73
	672	288	4.73	5.67	7.09
120,000	336	256	10.64	12.77	15.97
	1280	224	2.53	3.04	3.80
	1280	192	2.95	3.54	4.43
	1008	224	3.38	4.05	5.07
	672	224	5.07	6.08	7.60
	336	224	10.14	12.17	15.21
	336	192	11.83	14.19	17.74



ACS-1 M40 128GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
150,000	1280	176	2.58	3.09	3.87
	1280	128	3.54	4.25	5.32
	1008	176	3.44	4.13	5.16
	672	176	5.16	6.19	7.74
	336	176	10.32	12.39	15.49
	336	128	14.19	17.03	21.29
200,000	1280	112	3.04	3.65	4.56
	1280	96	3.54	4.25	5.32
	1280	64	5.32	6.38	7.98
	1008	112	4.05	4.86	6.08
	672	112	6.08	7.30	9.12
	336	112	12.17	14.60	18.25
	336	96	14.19	17.03	21.29
	336	64	21.29	25.55	31.94
300,000	1280	48	4.73	5.67	7.09
	336	48	18.93	22.71	28.39
400,000	1280	32	5.32	6.38	7.98
	336	32	21.29	25.55	31.94
500,000	1280	16	8.51	10.22	12.77
	336	16	34.07	40.89	51.11
700,000	1280	16	6.08	7.30	9.12
	336	16	24.34	29.21	36.51

ACS-1 M40 128GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	896	3.80	4.56	5.70
45,000	1280	896	3.38	4.05	5.07
50,000	1280	896	3.04	3.65	4.56
60,000	1280	896	2.53	3.04	3.80
65,000	1280	896	2.34	2.80	3.51
75,000	1280	800	2.27	2.72	3.40
100,000	1280	576	2.36	2.83	3.54
	672	576	4.73	5.67	7.09
120,000	1280	448	2.53	3.04	3.80
	672	448	5.07	6.08	7.60
150,000	1280	352	2.58	3.09	3.87
	672	352	5.16	6.19	7.74
200,000	1280	224	3.04	3.65	4.56
	336	224	12.17	14.60	18.25
300,000	1280	96	4.73	5.67	7.09
	336	96	18.93	22.71	28.39
400,000	1280	64	5.32	6.38	7.98
	336	64	21.29	25.55	31.94
500,000	1280	32	8.51	10.22	12.77
	336	32	34.07	40.89	51.11
700,000	1280	32	6.08	7.30	9.12
	336	32	24.34	29.21	36.51

ACS-1 M40 128GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	896	4.05	4.86	6.08
100,000	1280	896	3.04	3.65	4.56
120,000	1280	896	2.53	3.04	3.80
150,000	1280	704	2.58	3.09	3.87
200,000	1280	448	3.04	3.65	4.56
	672	448	6.08	7.30	9.12
300,000	1280	192	4.73	5.67	7.09
	336	192	18.93	22.71	28.39
400,000	1280	128	5.32	6.38	7.98
	336	128	21.29	25.55	31.94
500,000	1280	64	8.51	10.22	12.77
	336	64	34.07	40.89	51.11
700,000	1280	64	6.08	7.30	9.12
	336	64	24.34	29.21	36.51

ACS-1 M40 256GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
35,000 or less	1280	896	4.34	5.21	6.52
	1280	720	5.41	6.49	8.11
	1008	768	6.76	8.11	10.14
	672	512	15.21	18.25	22.82
	640	480	16.23	19.47	24.34
	512	512	15.21	18.25	22.82
	336	256	60.86	73.03	91.29
40,000	1280	800	4.26	5.11	6.39
	1280	720	4.73	5.68	7.10
	1008	768	5.91	7.10	8.87
	672	512	13.31	15.97	19.97
	640	480	14.20	17.04	21.30
	512	512	13.31	15.97	19.97
	336	256	53.25	63.90	79.88
45,000	1280	720	4.20	5.04	6.31
	1280	704	4.30	5.16	6.45
	1008	720	5.61	6.73	8.41
	672	512	11.83	14.20	17.75
	640	480	12.62	15.14	18.93
	512	512	11.83	14.20	17.75
	336	256	47.33	56.80	71.00
50,000	1280	640	4.26	5.11	6.39
	1280	576	4.73	5.68	7.10
	1008	640	5.68	6.81	8.52
	672	576	9.46	11.36	14.20
	672	512	10.65	12.78	15.97
	512	512	10.65	12.78	15.97
	640	480	11.36	13.63	17.04
	336	256	42.60	51.12	63.90

ACS-1 M40 256GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
60,000	1280	528	4.30	5.16	6.45
	1008	528	5.73	6.88	8.60
	672	512	8.87	10.65	13.31
	640	480	9.46	11.36	14.20
	512	512	8.87	10.65	13.31
	336	256	35.50	42.60	53.25
65,000	1280	480	4.36	5.24	6.55
	1280	448	4.68	5.61	7.02
	1008	480	5.82	6.99	8.73
	672	480	8.73	10.48	13.10
	672	448	9.36	11.23	14.04
	640	480	8.73	10.48	13.10
75,000	336	256	32.77	39.32	49.15
	1280	400	4.54	5.45	6.81
	1280	352	5.16	6.19	7.74
	1008	400	6.05	7.27	9.08
	672	400	9.08	10.90	13.63
	672	352	10.32	12.39	15.49
100,000	336	256	28.40	34.08	42.60
	1280	288	4.73	5.68	7.10
	1008	288	6.31	7.57	9.46
	672	288	9.46	11.36	14.20
120,000	336	256	21.30	25.56	31.95
	1280	224	5.07	6.08	7.60
	1280	192	5.91	7.10	8.87
	1008	224	6.76	8.11	10.14
	672	224	10.14	12.17	15.21
	336	224	20.28	24.34	30.43
	336	192	23.66	28.40	35.50

ACS-1 M40 256GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
150,000	1280	176	5.16	6.19	7.74
	1280	128	7.10	8.52	10.65
	1008	176	6.88	8.26	10.32
	672	176	10.32	12.39	15.49
	336	176	20.65	24.78	30.98
	336	128	28.40	34.08	42.60
200,000	1280	112	6.08	7.30	9.12
	1280	96	7.10	8.52	10.65
	1280	64	10.65	12.78	15.97
	1008	112	8.11	9.73	12.17
	672	112	12.17	14.60	18.25
	336	112	24.34	29.21	36.51
	336	96	28.40	34.08	42.60
	336	64	42.60	51.12	63.90
300,000	1280	48	9.46	11.36	14.20
	336	48	37.87	45.44	56.80
400,000	1280	32	10.65	12.78	15.97
	336	32	42.60	51.12	63.90
500,000	1280	16	17.04	20.45	25.56
	336	16	68.16	81.80	102.25
700,000	1280	16	12.17	14.60	18.25
	336	16	48.69	58.42	73.03

ACS-1 M40 256GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40000	1280	896	7.60	9.12	11.41
45000	1280	896	6.76	8.11	10.14
50000	1280	896	6.08	7.30	9.12
60000	1280	896	5.07	6.08	7.60
65,000	1280	896	4.68	5.61	7.02
75,000	1280	800	4.54	5.45	6.81
100,000	1280	576	4.73	5.68	7.10
	672	576	9.46	11.36	14.20
120,000	1280	448	5.07	6.08	7.60
	672	448	10.14	12.17	15.21
150,000	1280	352	5.16	6.19	7.74
	672	352	10.32	12.39	15.49
200,000	1280	224	6.08	7.30	9.12
	336	224	24.34	29.21	36.51
300,000	1280	96	9.46	11.36	14.20
	336	96	37.87	45.44	56.80
400,000	1280	64	10.65	12.78	15.97
	336	64	42.60	51.12	63.90
500,000	1280	32	17.04	20.45	25.56
	336	32	68.16	81.80	102.25
700,000	1280	32	12.17	14.60	18.25
	336	32	48.69	58.42	73.03

ACS-1 M40 256GB model Boost 4 mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	896	8.11	9.73	12.17
100,000	1280	896	6.08	7.30	9.12
120,000	1280	896	5.07	6.08	7.60
150,000	1280	704	5.16	6.19	7.74
200,000	1280	448	6.08	7.30	9.12
	672	448	12.17	14.60	18.25
300,000	1280	192	9.46	11.36	14.20
	336	192	37.87	45.44	56.80
400,000	1280	128	10.65	12.78	15.97
	336	128	42.60	51.12	63.90
500,000	1280	64	17.04	20.45	25.56
	336	64	68.16	81.80	102.25
700,000	1280	64	12.17	14.60	18.25
	336	64	48.69	58.42	73.03



ACS-1 M30E

■ Frame Rates and Valid Pixels ACS-1 M30E Normal mode (1/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
25,000 or less	1280	896	28.16	19.712	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
27,000	1280	896	28.16	19.712	Split
	1280	832	28.16	18.304	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
30,000	1280	800	28.16	17.6	Split
	1280	736	28.16	16.192	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	15.84	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split



- 25,000 or less includes 20,000, 10,000, 5,000, 2,000, 1,000, 500, 100, 60 and 50 fps.

■ Frame Rates and Valid Pixels ACS-1 M30E Normal mode (2/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
35,000	1280	704	28.16	15.488	Split
	1280	672	28.16	14.784	Split
	1280	640	28.16	14.08	Split
	1008	704	22.176	15.488	Split
	672	672	14.784	14.784	1:1
	672	640	14.784	14.08	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
40,000	1280	592	28.16	13.024	Split
	1280	576	28.16	12.672	Split
	1008	592	22.176	13.024	Split
	672	576	14.784	12.672	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
45,000	1280	528	28.16	11.616	Split
	1008	528	22.176	11.616	Split
	672	512	14.784	11.264	Split
	336	256	7.392	5.632	Split
50,000	1280	464	28.16	10.208	Split
	1280	448	28.16	9.856	Split
	1280	416	28.16	9.152	Split
	1008	464	22.176	10.208	Split
	672	464	14.784	10.208	Split
	672	448	14.784	9.856	Split
	672	416	14.784	9.152	Split
	336	256	7.392	5.632	Split
60,000	1280	368	28.16	8.096	Split
	1008	368	22.176	8.096	Split
	672	368	14.784	8.096	Split
	336	256	7.392	5.632	Split



■ Frame Rates and Valid Pixels ACS-1 M30E Normal mode (3/3)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
65,000	1280	336	28.16	7.392	Split
	1280	320	28.16	7.04	VGA (4:3)
	1008	336	22.176	7.392	Split
	672	336	14.784	7.392	Split
	336	336	7.392	7.392	Split
	336	320	7.392	7.04	Split
	336	256	7.392	5.632	Split
75,000	1280	288	28.16	6.336	Split
	1280	256	28.16	5.632	Split
	1280	224	28.16	4.928	Split
	1008	288	22.176	6.336	Split
	672	288	14.784	6.336	Split
	672	224	14.784	4.928	Split
	336	256	7.392	5.632	Split
100,000	1280	208	28.16	4.576	Split
	1280	192	28.16	4.224	Split
	1280	128	28.16	2.816	Split
	1008	208	22.176	4.576	Split
	672	208	14.784	4.576	Split
	336	208	7.392	4.576	Split
	336	192	7.392	4.224	Split
	336	128	7.392	2.816	Split
120,000	1280	160	28.16	3.52	Split
	1008	160	22.176	3.52	Split
	672	160	14.784	3.52	Split
	336	160	7.392	3.52	Split
150,000	1280	112	28.16	2.464	Split
	1280	96	28.16	2.112	Split
	1008	112	22.176	2.464	Split
	672	112	14.784	2.464	Split
	336	112	7.392	2.464	Split
	336	96	7.392	2.112	Split
200,000	1280	64	28.16	1.408	Split
	336	64	7.392	1.408	Split
220,000	1280	48	28.16	1.056	Split
	336	48	7.392	1.056	Split

■ Frame Rates and Valid Pixels ACS-1 M30E Boost mode

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
30,000	1280	896	28.16	19.712	Split
35,000	1280	896	28.16	19.712	Split
40,000	1280	896	28.16	19.712	Split
45,000	1280	896	28.16	19.712	Split
50,000	1280	896	28.16	19.712	Split
60,000	1280	736	28.16	16.192	Split
65,000	1280	672	28.16	14.784	Split
	672	672	14.784	14.784	1:1
75,000	1280	576	28.16	12.672	Split
	672	576	14.784	12.672	Split
100,000	1280	416	28.16	9.152	Split
	672	416	14.784	9.152	Split
120,000	1280	320	28.16	7.04	Split
	336	320	7.392	7.04	Split
150,000	1280	224	28.16	4.928	Split
	336	224	7.392	4.928	Split
200,000	1280	128	28.16	2.816	Split
	336	128	7.392	2.816	Split
220,000	1280	96	28.16	2.112	Split
	336	96	7.392	2.112	Split



- Boost mode supports only Mono, not color.
- ACS-1 M30/M30E does not have a boost 4 mode.



- Boost mode is preset only.
- Custom frame rate and custom frame size functions cannot be used.

ACS-1 M30E 64GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
25,000	1280	896	1.52	1.82	2.28
	1280	720	1.89	2.27	2.83
	1008	768	2.36	2.83	3.54
	672	512	5.32	6.38	7.98
	640	480	5.67	6.81	8.51
	512	512	5.32	6.38	7.98
	336	256	21.29	25.55	31.94
27,000	1280	896	1.40	1.69	2.11
	1280	832	1.51	1.82	2.27
	1280	720	1.75	2.10	2.62
	1008	768	2.19	2.62	3.28
	672	512	4.92	5.91	7.39
	640	480	5.25	6.30	7.88
	512	512	4.92	5.91	7.39
30,000	1280	800	1.41	1.70	2.12
	1280	736	1.54	1.85	2.31
	1280	720	1.57	1.89	2.36
	1008	768	1.97	2.36	2.95
	672	512	4.43	5.32	6.65
	640	480	4.73	5.67	7.09
	512	512	4.43	5.32	6.65
35,000	336	256	17.74	21.29	26.61
	1280	704	1.38	1.65	2.07
	1280	672	1.44	1.73	2.17
	1280	640	1.52	1.82	2.28
	1008	704	1.84	2.21	2.76
	672	672	2.89	3.47	4.34
	672	640	3.04	3.65	4.56
	672	512	3.80	4.56	5.70
	640	480	4.05	4.86	6.08
	512	512	3.80	4.56	5.70
336	256	15.21	18.25	22.81	

ACS-1 M30E 64GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	592	1.43	1.72	2.15
	1280	576	1.47	1.77	2.21
	1008	592	1.91	2.30	2.87
	672	576	2.95	3.54	4.43
	672	512	3.32	3.99	4.99
	640	480	3.54	4.25	5.32
	512	512	3.32	3.99	4.99
	336	256	13.30	15.97	19.96
45,000	1280	528	1.43	1.72	2.15
	1008	528	1.91	2.29	2.86
	672	512	2.95	3.54	4.43
	336	256	11.83	14.19	17.74
50,000	1280	464	1.46	1.76	2.20
	1280	448	1.52	1.82	2.28
	1280	416	1.63	1.96	2.45
	1008	464	1.95	2.34	2.93
	672	464	2.93	3.52	4.40
	672	448	3.04	3.65	4.56
	672	416	3.27	3.93	4.91
	336	256	10.64	12.77	15.97
60,000	1280	368	1.54	1.85	2.31
	1008	368	2.05	2.46	3.08
	672	368	3.08	3.70	4.62
	336	256	8.87	10.64	13.30
65,000	1280	336	1.56	1.87	2.34
	1008	336	2.08	2.49	3.12
	672	336	3.12	3.74	4.68
	336	336	6.24	7.48	9.36
	336	256	8.19	9.82	12.28



ACS-1 M30E 64GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)			
	Horizontal	Vertical	12bit	10bit	8bit	
75,000	1280	288	1.57	1.89	2.36	
	1280	256	1.77	2.12	2.66	
	1280	224	2.02	2.43	3.04	
	1008	288	2.10	2.52	3.15	
	672	288	3.15	3.78	4.73	
	672	224	4.05	4.86	6.08	
	336	256	7.09	8.51	10.64	
100,000	1280	208	1.63	1.96	2.45	
	1280	192	1.77	2.12	2.66	
	1280	128	2.66	3.19	3.99	
	1008	208	2.18	2.62	3.27	
	672	208	3.27	3.93	4.91	
	336	208	6.55	7.86	9.82	
	336	192	7.09	8.51	10.64	
120,000	1280	160	1.77	2.12	2.66	
	1008	160	2.36	2.83	3.54	
	672	160	3.54	4.25	5.32	
	336	160	7.09	8.51	10.64	
	150,000	1280	112	2.02	2.43	3.04
		1280	96	2.36	2.83	3.54
		1008	112	2.70	3.24	4.05
672		112	4.05	4.86	6.08	
336		112	8.11	9.73	12.16	
336		96	9.46	11.35	14.19	
200,000	1280	64	2.66	3.19	3.99	
	336	64	10.64	12.77	15.97	
220,000	1280	48	3.22	3.87	4.83	
	336	48	12.90	15.48	19.35	

ACS-1 M30E 64GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
30,000	1280	896	2.53	3.04	3.80
35,000	1280	896	2.17	2.60	3.25
40,000	1280	896	1.90	2.28	2.85
45,000	1280	896	1.69	2.02	2.53
50,000	1280	896	1.52	1.82	2.28
60,000	1280	736	1.54	1.85	2.31
65,000	1280	672	1.56	1.87	2.34
	672	672	3.12	3.74	4.68
75,000	1280	576	1.57	1.89	2.36
	672	576	3.15	3.78	4.73
100,000	1280	416	1.63	1.96	2.45
	672	416	3.27	3.93	4.91
120,000	1280	320	1.77	2.12	2.66
	336	320	7.09	8.51	10.64
150,000	1280	224	2.02	2.43	3.04
	336	224	8.11	9.73	12.16
200,000	1280	128	2.66	3.19	3.99
	336	128	10.64	12.77	15.97
220,000	1280	96	3.22	3.87	4.83
	336	96	12.90	15.48	19.35

ACS-1 M30E 128GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
25,000	1280	896	1.52	1.82	2.28
	1280	720	1.89	2.27	2.83
	1008	768	2.36	2.83	3.54
	672	512	5.32	6.38	7.98
	640	480	5.67	6.81	8.51
	512	512	5.32	6.38	7.98
	336	256	21.29	25.55	31.94
27,000	1280	896	1.40	1.69	2.11
	1280	832	1.51	1.82	2.27
	1280	720	1.75	2.10	2.62
	1008	768	2.19	2.62	3.28
	672	512	4.92	5.91	7.39
	640	480	5.25	6.30	7.88
	512	512	4.92	5.91	7.39
30,000	1280	800	1.41	1.70	2.12
	1280	736	1.54	1.85	2.31
	1280	720	1.57	1.89	2.36
	1008	768	1.97	2.36	2.95
	672	512	4.43	5.32	6.65
	640	480	4.73	5.67	7.09
	512	512	4.43	5.32	6.65
35,000	336	256	17.74	21.29	26.61
	1280	704	1.38	1.65	2.07
	1280	672	1.44	1.73	2.17
	1280	640	1.52	1.82	2.28
	1008	704	1.84	2.21	2.76
	672	672	2.89	3.47	4.34
	672	640	3.04	3.65	4.56
	672	512	3.80	4.56	5.70
	640	480	4.05	4.86	6.08
	512	512	3.80	4.56	5.70
336	256	15.21	18.25	22.81	

ACS-1 M30E 128GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	592	2.87	3.45	4.31
	1280	576	2.95	3.54	4.43
	1008	592	3.83	4.60	5.75
	672	576	5.91	7.09	8.87
	672	512	6.65	7.98	9.98
	640	480	7.09	8.51	10.64
	512	512	6.65	7.98	9.98
	336	256	26.62	31.94	39.93
45,000	1280	528	2.86	3.44	4.30
	1008	528	3.82	4.58	5.73
	672	512	5.91	7.09	8.87
	336	256	23.66	28.39	35.49
50,000	1280	464	2.93	3.52	4.40
	1280	448	3.04	3.65	4.56
	1280	416	3.27	3.93	4.91
	1008	464	3.91	4.70	5.87
	672	464	5.87	7.05	8.81
	672	448	6.08	7.30	9.12
	672	416	6.55	7.86	9.83
	336	256	21.29	25.55	31.94
60,000	1280	368	3.08	3.70	4.63
	1008	368	4.11	4.93	6.17
	672	368	6.17	7.40	9.26
	336	256	17.74	21.29	26.62
65,000	1280	336	3.12	3.74	4.68
	1008	336	4.16	4.99	6.24
	672	336	6.24	7.49	9.36
	336	336	12.48	14.98	18.72
	336	256	16.38	19.66	24.57

ACS-1 M30E 128GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	288	3.15	3.78	4.73
	1280	256	3.54	4.25	5.32
	1280	224	4.05	4.86	6.08
	1008	288	4.20	5.04	6.31
	672	288	6.31	7.57	9.46
	672	224	8.11	9.73	12.17
	336	256	14.19	17.03	21.29
100,000	1280	208	3.27	3.93	4.91
	1280	192	3.54	4.25	5.32
	1280	128	5.32	6.38	7.98
	1008	208	4.36	5.24	6.55
	672	208	6.55	7.86	9.83
	336	208	13.10	15.72	19.66
	336	192	14.19	17.03	21.29
120,000	1280	160	3.54	4.25	5.32
	1008	160	4.73	5.67	7.09
	672	160	7.09	8.51	10.64
	336	160	14.19	17.03	21.29
150,000	1280	112	4.05	4.86	6.08
	1280	96	4.73	5.67	7.09
	1008	112	5.40	6.49	8.11
	672	112	8.11	9.73	12.17
	336	112	16.22	19.47	24.34
	336	96	18.93	22.71	28.39
200,000	1280	64	5.32	6.38	7.98
	336	64	21.29	25.55	31.94
220,000	1280	48	6.45	7.74	9.68
	336	48	25.81	30.98	38.72

ACS-1 M30E 128GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
30,000	1280	896	5.07	6.08	7.60
35,000	1280	896	4.34	5.21	6.52
40,000	1280	896	3.80	4.56	5.70
45,000	1280	896	3.38	4.05	5.07
50,000	1280	896	3.04	3.65	4.56
60,000	1280	736	3.08	3.70	4.63
65,000	1280	672	3.12	3.74	4.68
	672	672	6.24	7.49	9.36
75,000	1280	576	3.15	3.78	4.73
	672	576	6.31	7.57	9.46
100,000	1280	416	3.27	3.93	4.91
	672	416	6.55	7.86	9.83
120,000	1280	320	3.54	4.25	5.32
	336	320	14.19	17.03	21.29
150,000	1280	224	4.05	4.86	6.08
	336	224	16.22	19.47	24.34
200,000	1280	128	5.32	6.38	7.98
	336	128	21.29	25.55	31.94
220,000	1280	96	6.45	7.74	9.68
	336	96	25.81	30.98	38.72

ACS-1 M30E 256GB model Normal mode (1/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
25,000 or Irss	1280	896	6.08	7.30	9.12
	1280	720	7.57	9.08	11.36
	1008	768	9.46	11.36	14.20
	672	512	21.30	25.56	31.95
	640	480	22.72	27.26	34.08
	512	512	21.30	25.56	31.95
	336	256	85.20	102.25	127.81
27,000	1280	896	5.63	6.76	8.45
	1280	832	6.06	7.28	9.10
	1280	720	7.01	8.41	10.51
	1008	768	8.76	10.51	13.14
	672	512	19.72	23.66	29.58
	640	480	21.03	25.24	31.55
	512	512	19.72	23.66	29.58
30,000	1280	800	5.68	6.81	8.52
	1280	736	6.17	7.40	9.26
	1280	720	6.31	7.57	9.46
	1008	768	7.88	9.46	11.83
	672	512	17.75	21.30	26.62
	640	480	18.93	22.72	28.40
	512	512	17.75	21.30	26.62
35,000	1280	704	5.53	6.63	8.29
	1280	672	5.79	6.95	8.69
	1280	640	6.08	7.30	9.12
	1008	704	7.37	8.85	11.06
	672	672	11.59	13.91	17.38
	672	640	12.17	14.60	18.25
	672	512	15.21	18.25	22.82
	640	480	16.23	19.47	24.34
	512	512	15.21	18.25	22.82
	336	256	60.86	73.03	91.29

ACS-1 M30E 256GB model Normal mode (2/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	592	5.75	6.90	8.63
	1280	576	5.91	7.10	8.87
	1008	592	7.67	9.21	11.51
	672	576	11.83	14.20	17.75
	672	512	13.31	15.97	19.97
	640	480	14.20	17.04	21.30
	512	512	13.31	15.97	19.97
	336	256	53.25	63.90	79.88
45,000	1280	528	5.73	6.88	8.60
	1008	528	7.65	9.18	11.47
	672	512	11.83	14.20	17.75
	336	256	47.33	56.80	71.00
50,000	1280	464	5.87	7.05	8.81
	1280	448	6.08	7.30	9.12
	1280	416	6.55	7.86	9.83
	1008	464	7.83	9.40	11.75
	672	464	11.75	14.10	17.62
	672	448	12.17	14.60	18.25
	672	416	13.10	15.73	19.66
	336	256	42.60	51.12	63.90
60,000	1280	368	6.17	7.40	9.26
	1008	368	8.23	9.87	12.34
	672	368	12.34	14.81	18.52
	336	256	35.50	42.60	53.25
65,000	1280	336	6.24	7.49	9.36
	1008	336	8.32	9.98	12.48
	672	336	12.48	14.98	18.72
	336	336	24.96	29.96	37.45
	336	256	32.77	39.32	49.15



ACS-1 M30E 256GB model Normal mode (3/3)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	288	6.31	7.57	9.46
	1280	256	7.10	8.52	10.65
	1280	224	8.11	9.73	12.17
	1008	288	8.41	10.09	12.62
	672	288	12.62	15.14	18.93
	672	224	16.23	19.47	24.34
	336	256	28.40	34.08	42.60
100,000	1280	208	6.55	7.86	9.83
	1280	192	7.10	8.52	10.65
	1280	128	10.65	12.78	15.97
	1008	208	8.73	10.48	13.10
	672	208	13.10	15.73	19.66
	336	208	26.21	31.46	39.32
	336	192	28.40	34.08	42.60
	336	128	42.60	51.12	63.90
120,000	1280	160	7.10	8.52	10.65
	1008	160	9.46	11.36	14.20
	672	160	14.20	17.04	21.30
	336	160	28.40	34.08	42.60
150,000	1280	112	8.11	9.73	12.17
	1280	96	9.46	11.36	14.20
	1008	112	10.82	12.98	16.23
	672	112	16.23	19.47	24.34
	336	112	32.46	38.95	48.69
	336	96	37.87	45.44	56.80
200,000	1280	64	10.65	12.78	15.97
	336	64	42.60	51.12	63.90
220,000	1280	48	12.91	15.49	19.36
	336	48	51.64	61.96	77.46

ACS-1 M30E 256GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
30,000	1280	896	10.14	12.17	15.21
35,000	1280	896	8.69	10.43	13.04
40,000	1280	896	7.60	9.12	11.41
45,000	1280	896	6.76	8.11	10.14
50,000	1280	896	6.08	7.30	9.12
60,000	1280	736	6.17	7.40	9.26
65,000	1280	672	6.24	7.49	9.36
	672	672	12.48	14.98	18.72
75,000	1280	576	6.31	7.57	9.46
	672	576	12.62	15.14	18.93
100,000	1280	416	6.55	7.86	9.83
	672	416	13.10	15.73	19.66
120,000	1280	320	7.10	8.52	10.65
	336	320	28.40	34.08	42.60
150,000	1280	224	8.11	9.73	12.17
	336	224	32.46	38.95	48.69
200,000	1280	128	10.65	12.78	15.97
	336	128	42.60	51.12	63.90
220,000	1280	96	12.91	15.49	19.36
	336	96	51.64	61.96	77.46

ACS-1 M30

■ Frame Rates and Valid Pixels ACS-1 M30 Normal mode (1/4)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
25,000 or less	1280	896	28.16	19.712	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
27,000	1280	896	28.16	19.712	Split
	1280	832	28.16	18.304	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	16.896	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
30,000	1280	800	28.16	17.6	Split
	1280	736	28.16	16.192	Split
	1280	720	28.16	15.84	16:9
	1008	768	22.176	15.84	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split

Custom Frame Size : In units of 16 horizontal pixels and 16 vertical pixels



- 25,000 or less includes 20,000, 10,000, 5,000, 2,000, 1,000, 500, 100, 60 and 50 fps.

■ Frame Rates and Valid Pixels ACS-1 M30 Normal mode (2/4)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
35,000	1280	704	28.16	15.488	Split
	1280	672	28.16	14.784	Split
	1280	640	28.16	14.08	Split
	1008	704	22.176	15.488	Split
	672	672	14.784	14.784	1:1
	672	640	14.784	14.08	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
40,000	1280	592	28.16	13.024	Split
	1280	576	28.16	12.672	Split
	1008	592	22.176	13.024	Split
	672	576	14.784	12.672	Split
	672	512	14.784	11.264	Split
	640	480	14.08	10.56	VGA (4:3)
	512	512	11.264	11.264	1:1
	336	256	7.392	5.632	Split
45,000	1280	528	28.16	11.616	Split
	1008	528	22.176	11.616	Split
	672	512	14.784	11.264	Split
	336	256	7.392	5.632	Split
50,000	1280	464	28.16	10.208	Split
	1280	448	28.16	9.856	Split
	1280	416	28.16	9.152	Split
	1008	464	22.176	10.208	Split
	672	464	14.784	10.208	Split
	672	448	14.784	9.856	Split
	672	416	14.784	9.152	Split
	336	256	7.392	5.632	Split
60,000	1280	368	28.16	8.096	Split
	1008	368	22.176	8.096	Split
	672	368	14.784	8.096	Split
	336	256	7.392	5.632	Split



■ Frame Rates and Valid Pixels ACS-1 M30 Normal mode (3/4)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
65,000	1280	336	28.16	7.392	Split
	1280	320	28.16	7.04	VGA (4:3)
	1008	336	22.176	7.392	Split
	672	336	14.784	7.392	Split
	336	336	7.392	7.392	Split
	336	320	7.392	7.04	Split
	336	256	7.392	5.632	Split
75,000	1280	288	28.16	6.336	Split
	1280	256	28.16	5.632	Split
	1280	224	28.16	4.928	Split
	1008	288	22.176	6.336	Split
	672	288	14.784	6.336	Split
	672	224	14.784	4.928	Split
	336	256	7.392	5.632	Split
100,000	1280	208	28.16	4.576	Split
	1280	192	28.16	4.224	Split
	1280	128	28.16	2.816	Split
	1008	208	22.176	4.576	Split
	672	208	14.784	4.576	Split
	336	208	7.392	4.576	Split
	336	192	7.392	4.224	Split
	336	128	7.392	2.816	Split
120,000	1280	160	28.16	3.52	Split
	1008	160	22.176	3.52	Split
	672	160	14.784	3.52	Split
	336	160	7.392	3.52	Split
150,000	1280	112	28.16	2.464	Split
	1280	96	28.16	2.112	Split
	1008	112	22.176	2.464	Split
	672	112	14.784	2.464	Split
	336	112	7.392	2.464	Split
	336	96	7.392	2.112	Split
200,000	1280	64	28.16	1.408	Split
	336	64	7.392	1.408	Split
250,000	1280	48	28.16	1.056	Split
	336	48	7.392	1.056	Split

■ Frame Rates and Valid Pixels ACS-1 M30 Normal mode (4/4)

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
300,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split
400,000	1280	16	28.16	0.352	Split
	336	16	7.392	0.352	Split
500,000	1280	16	28.16	0.352	Split
	336	16	7.392	0.352	Split



■ Frame Rates and Valid Pixels ACS-1 M30 Boost mode

Maximum Frame Rate (fps)	Valid Pixels		Valid Image Area (mm)		Horizontal-Vertical Ratio (Size)
	Horizontal	Vertical	Horizontal	Vertical	
30,000	1280	896	28.16	19.712	Split
35,000	1280	896	28.16	19.712	Split
40,000	1280	896	28.16	19.712	Split
45,000	1280	896	28.16	19.712	Split
50,000	1280	896	28.16	19.712	Split
60,000	1280	736	28.16	16.192	Split
65,000	1280	672	28.16	14.784	Split
	672	672	14.784	14.784	1:1
75,000	1280	576	28.16	12.672	Split
	672	576	14.784	12.672	Split
100,000	1280	416	28.16	9.152	Split
	672	416	14.784	9.152	Split
120,000	1280	320	28.16	7.04	Split
	336	320	7.392	7.04	Split
150,000	1280	224	28.16	4.928	Split
	336	224	7.392	4.928	Split
200,000	1280	128	28.16	2.816	Split
	336	128	7.392	2.816	Split
250,000	1280	96	28.16	2.112	Split
	336	96	7.392	2.112	Split
300,000	1280	64	28.16	1.408	Split
	336	64	7.392	1.408	Split
400,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split
500,000	1280	32	28.16	0.704	Split
	336	32	7.392	0.704	Split



- Boost mode supports only Mono, not color.
- ACS-1 M30 does not have a boost 4 mode.



- Boost mode is preset only.
- Custom frame rate and custom frame size functions cannot be used.

ACS-1 M30 64GB model Normal mode (1/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
25,000 or less	1280	896	1.52	1.82	2.28
	1280	720	1.89	2.27	2.83
	1008	768	2.36	2.83	3.54
	672	512	5.32	6.38	7.98
	640	480	5.67	6.81	8.51
	512	512	5.32	6.38	7.98
	336	256	21.29	25.55	31.94
27,000	1280	896	1.40	1.69	2.11
	1280	832	1.51	1.82	2.27
	1280	720	1.75	2.10	2.62
	1008	768	2.19	2.62	3.28
	672	512	4.92	5.91	7.39
	640	480	5.25	6.30	7.88
	512	512	4.92	5.91	7.39
30,000	1280	800	1.41	1.70	2.12
	1280	736	1.54	1.85	2.31
	1280	720	1.57	1.89	2.36
	1008	768	1.97	2.36	2.95
	672	512	4.43	5.32	6.65
	640	480	4.73	5.67	7.09
	512	512	4.43	5.32	6.65
35,000	1280	704	1.38	1.65	2.07
	1280	672	1.44	1.73	2.17
	1280	640	1.52	1.82	2.28
	1008	704	1.84	2.21	2.76
	672	672	2.89	3.47	4.34
	672	640	3.04	3.65	4.56
	672	512	3.80	4.56	5.70
	640	480	4.05	4.86	6.08
	512	512	3.80	4.56	5.70
	336	256	15.21	18.25	22.81

ACS-1 M30 64GB model Normal mode (2/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	592	1.43	1.72	2.15
	1280	576	1.47	1.77	2.21
	1008	592	1.91	2.30	2.87
	672	576	2.95	3.54	4.43
	672	512	3.32	3.99	4.99
	640	480	3.54	4.25	5.32
	512	512	3.32	3.99	4.99
	336	256	13.30	15.97	19.96
45,000	1280	528	1.43	1.72	2.15
	1008	528	1.91	2.29	2.86
	672	512	2.95	3.54	4.43
	336	256	11.83	14.19	17.74
50,000	1280	464	1.46	1.76	2.20
	1280	448	1.52	1.82	2.28
	1280	416	1.63	1.96	2.45
	1008	464	1.95	2.34	2.93
	672	464	2.93	3.52	4.40
	672	448	3.04	3.65	4.56
	672	416	3.27	3.93	4.91
	336	256	10.64	12.77	15.97
60,000	1280	368	1.54	1.85	2.31
	1008	368	2.05	2.46	3.08
	672	368	3.08	3.70	4.62
	336	256	8.87	10.64	13.30
65,000	1280	336	1.56	1.87	2.34
	1280	320	1.63	1.96	2.45
	1008	336	2.08	2.49	3.12
	672	336	3.12	3.74	4.68
	336	336	6.24	7.48	9.36
	336	320	6.55	7.86	9.82
	336	256	8.19	9.82	12.28

ACS-1 M30 64GB model Normal mode (3/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)			
	Horizontal	Vertical	12bit	10bit	8bit	
75,000	1280	288	1.57	1.89	2.36	
	1280	256	1.77	2.12	2.66	
	1280	224	2.02	2.43	3.04	
	1008	288	2.10	2.52	3.15	
	672	288	3.15	3.78	4.73	
	672	224	4.05	4.86	6.08	
	336	256	7.09	8.51	10.64	
100,000	1280	208	1.63	1.96	2.45	
	1280	192	1.77	2.12	2.66	
	1280	128	2.66	3.19	3.99	
	1008	208	2.18	2.62	3.27	
	672	208	3.27	3.93	4.91	
	336	208	6.55	7.86	9.82	
	336	192	7.09	8.51	10.64	
120,000	1280	160	1.77	2.12	2.66	
	1008	160	2.36	2.83	3.54	
	672	160	3.54	4.25	5.32	
	336	160	7.09	8.51	10.64	
	150,000	1280	112	2.02	2.43	3.04
		1280	96	2.36	2.83	3.54
		1008	112	2.70	3.24	4.05
672		112	4.05	4.86	6.08	
336		112	8.11	9.73	12.16	
336		96	9.46	11.35	14.19	
200,000	1280	64	2.66	3.19	3.99	
	336	64	10.64	12.77	15.97	
250,000	1280	48	2.83	3.40	4.25	
	336	48	11.35	13.62	17.03	
300,000	1280	32	3.54	4.25	5.32	
	336	32	14.19	17.03	21.29	



ACS-1 M30 64GB model Normal mode (4/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
400,000	1280	16	5.32	6.38	7.98
	336	16	21.29	25.55	31.94
500,000	1280	16	4.25	5.11	6.38
	336	16	17.03	20.44	25.55

ACS-1 M30 64GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
30,000	1280	896	2.53	3.04	3.80
35,000	1280	896	2.17	2.60	3.25
40,000	1280	896	1.90	2.28	2.85
45,000	1280	896	1.69	2.02	2.53
50,000	1280	896	1.52	1.82	2.28
60,000	1280	736	1.54	1.85	2.31
65,000	1280	672	1.56	1.87	2.34
	672	672	3.12	3.74	4.68
75,000	1280	576	1.57	1.89	2.36
	672	576	3.15	3.78	4.73
100,000	1280	416	1.63	1.96	2.45
	672	416	3.27	3.93	4.91
120,000	1280	320	1.77	2.12	2.66
	336	320	7.09	8.51	10.64
150,000	1280	224	2.02	2.43	3.04
	336	224	8.11	9.73	12.16
200,000	1280	128	2.66	3.19	3.99
	336	128	10.64	12.77	15.97
250,000	1280	96	2.83	3.40	4.25
	336	96	11.35	13.62	17.03
300,000	1280	64	3.54	4.25	5.32
	336	64	14.19	17.03	21.29
400,000	1280	32	5.32	6.38	7.98
	336	32	21.29	25.55	31.94
500,000	1280	32	4.25	5.11	6.38
	336	32	17.03	20.44	25.55

ACS-1 M30 128GB model Normal mode (1/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
25,000 or less	1280	896	3.04	3.65	4.56
	1280	720	3.78	4.54	5.67
	1008	768	4.73	5.67	7.09
	672	512	10.64	12.77	15.97
	640	480	11.35	13.63	17.03
	512	512	10.64	12.77	15.97
	336	256	42.59	51.11	63.89
27,000	1280	896	2.81	3.38	4.22
	1280	832	3.03	3.64	4.55
	1280	720	3.50	4.20	5.25
	1008	768	4.38	5.25	6.57
	672	512	9.86	11.83	14.79
	640	480	10.51	12.62	15.77
	512	512	9.86	11.83	14.79
30,000	1280	800	2.83	3.40	4.25
	1280	736	3.08	3.70	4.63
	1280	720	3.15	3.78	4.73
	1008	768	3.94	4.73	5.91
	672	512	8.87	10.64	13.31
	640	480	9.46	11.35	14.19
	512	512	8.87	10.64	13.31
35,000	1280	704	2.76	3.31	4.14
	1280	672	2.89	3.47	4.34
	1280	640	3.04	3.65	4.56
	1008	704	3.68	4.42	5.53
	672	672	5.79	6.95	8.69
	672	640	6.08	7.30	9.12
	672	512	7.60	9.12	11.41
	640	480	8.11	9.73	12.17
	512	512	7.60	9.12	11.41
	336	256	30.42	36.51	45.64

ACS-1 M30 128GB model Normal mode (2/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	592	2.87	3.45	4.31
	1280	576	2.95	3.54	4.43
	1008	592	3.83	4.60	5.75
	672	576	5.91	7.09	8.87
	672	512	6.65	7.98	9.98
	640	480	7.09	8.51	10.64
	512	512	6.65	7.98	9.98
	336	256	26.62	31.94	39.93
45,000	1280	528	2.86	3.44	4.30
	1008	528	3.82	4.58	5.73
	672	512	5.91	7.09	8.87
	336	256	23.66	28.39	35.49
50,000	1280	464	2.93	3.52	4.40
	1280	448	3.04	3.65	4.56
	1280	416	3.27	3.93	4.91
	1008	464	3.91	4.70	5.87
	672	464	5.87	7.05	8.81
	672	448	6.08	7.30	9.12
	672	416	6.55	7.86	9.83
	336	256	21.29	25.55	31.94
60,000	1280	368	3.08	3.70	4.63
	1008	368	4.11	4.93	6.17
	672	368	6.17	7.40	9.26
	336	256	17.74	21.29	26.62
65,000	1280	336	3.12	3.74	4.68
	1280	320	3.27	3.93	4.91
	1008	336	4.16	4.99	6.24
	672	336	6.24	7.49	9.36
	336	336	12.48	14.98	18.72
	336	320	13.10	15.72	19.66
	336	256	16.38	19.66	24.57



ACS-1 M30 128GB model Normal mode (3/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
75,000	1280	288	3.15	3.78	4.73
	1280	256	3.54	4.25	5.32
	1280	224	4.05	4.86	6.08
	1008	288	4.20	5.04	6.31
	672	288	6.31	7.57	9.46
	672	224	8.11	9.73	12.17
	336	256	14.19	17.03	21.29
100,000	1280	208	3.27	3.93	4.91
	1280	192	3.54	4.25	5.32
	1280	128	5.32	6.38	7.98
	1008	208	4.36	5.24	6.55
	672	208	6.55	7.86	9.83
	336	208	13.10	15.72	19.66
	336	192	14.19	17.03	21.29
120,000	1280	160	3.54	4.25	5.32
	1008	160	4.73	5.67	7.09
	672	160	7.09	8.51	10.64
	336	160	14.19	17.03	21.29
150,000	1280	112	4.05	4.86	6.08
	1280	96	4.73	5.67	7.09
	1008	112	5.40	6.49	8.11
	672	112	8.11	9.73	12.17
	336	112	16.22	19.47	24.34
	336	96	18.93	22.71	28.39
200,000	1280	64	5.32	6.38	7.98
	336	64	21.29	25.55	31.94
250,000	1280	48	5.67	6.81	8.51
	336	48	22.71	27.26	34.07
300,000	1280	32	7.09	8.51	10.64
	336	32	28.39	34.07	42.59

ACS-1 M30 128GB model Normal mode (4/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
400,000	1280	16	10.64	12.77	15.97
	336	16	42.59	51.11	63.89
500,000	1280	16	8.51	10.22	12.77
	336	16	34.07	40.89	51.11

ACS-1 M30 128GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
30,000	1280	896	5.07	6.08	7.60
35,000	1280	896	4.34	5.21	6.52
40,000	1280	896	3.80	4.56	5.70
45,000	1280	896	3.38	4.05	5.07
50,000	1280	896	3.04	3.65	4.56
60,000	1280	736	3.08	3.70	4.63
65,000	1280	672	3.12	3.74	4.68
	672	672	6.24	7.49	9.36
75,000	1280	576	3.15	3.78	4.73
	672	576	6.31	7.57	9.46
100,000	1280	416	3.27	3.93	4.91
	672	416	6.55	7.86	9.83
120,000	1280	320	3.54	4.25	5.32
	336	320	14.19	17.03	21.29
150,000	1280	224	4.05	4.86	6.08
	336	224	16.22	19.47	24.34
200,000	1280	128	5.32	6.38	7.98
	336	128	21.29	25.55	31.94
250,000	1280	96	5.67	6.81	8.51
	336	96	22.71	27.26	34.07
300,000	1280	64	7.09	8.51	10.64
	336	64	28.39	34.07	42.59
400,000	1280	32	10.64	12.77	15.97
	336	32	42.59	51.11	63.89
500,000	1280	32	8.51	10.22	12.77
	336	32	34.07	40.89	51.11

ACS-1 M30 256GB model Normal mode (1/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
25,000 or less	1280	896	6.08	7.30	9.12
	1280	720	7.57	9.08	11.36
	1008	768	9.46	11.36	14.20
	672	512	21.30	25.56	31.95
	640	480	22.72	27.26	34.08
	512	512	21.30	25.56	31.95
	336	256	85.20	102.25	127.81
27,000	1280	896	5.63	6.76	8.45
	1280	832	6.06	7.28	9.10
	1280	720	7.01	8.41	10.51
	1008	768	8.76	10.51	13.14
	672	512	19.72	23.66	29.58
	640	480	21.03	25.24	31.55
	512	512	19.72	23.66	29.58
30,000	1280	800	5.68	6.81	8.52
	1280	736	6.17	7.40	9.26
	1280	720	6.31	7.57	9.46
	1008	768	7.88	9.46	11.83
	672	512	17.75	21.30	26.62
	640	480	18.93	22.72	28.40
	512	512	17.75	21.30	26.62
35,000	336	256	71.00	85.20	106.51
	1280	704	5.53	6.63	8.29
	1280	672	5.79	6.95	8.69
	1280	640	6.08	7.30	9.12
	1008	704	7.37	8.85	11.06
	672	672	11.59	13.91	17.38
	672	640	12.17	14.60	18.25
	672	512	15.21	18.25	22.82
	640	480	16.23	19.47	24.34
	512	512	15.21	18.25	22.82
336	256	60.86	73.03	91.29	



ACS-1 M30 256GB model Normal mode (2/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
40,000	1280	592	5.75	6.90	8.63
	1280	576	5.91	7.10	8.87
	1008	592	7.67	9.21	11.51
	672	576	11.83	14.20	17.75
	672	512	13.31	15.97	19.97
	640	480	14.20	17.04	21.30
	512	512	13.31	15.97	19.97
	336	256	53.25	63.90	79.88
45,000	1280	528	5.73	6.88	8.60
	1008	528	7.65	9.18	11.47
	672	512	11.83	14.20	17.75
	336	256	47.33	56.80	71.00
50,000	1280	464	5.87	7.05	8.81
	1280	448	6.08	7.30	9.12
	1280	416	6.55	7.86	9.83
	1008	464	7.83	9.40	11.75
	672	464	11.75	14.10	17.62
	672	448	12.17	14.60	18.25
	672	416	13.10	15.73	19.66
	336	256	42.60	51.12	63.90
60,000	1280	368	6.17	7.40	9.26
	1008	368	8.23	9.87	12.34
	672	368	12.34	14.81	18.52
	336	256	35.50	42.60	53.25
65,000	1280	336	6.24	7.49	9.36
	1280	320	6.55	7.86	9.83
	1008	336	8.32	9.98	12.48
	672	336	12.48	14.98	18.72
	336	336	24.96	29.96	37.45
	336	320	26.21	31.46	39.32
	336	256	32.77	39.32	49.15

ACS-1 M30 256GB model Normal mode (3/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)			
	Horizontal	Vertical	12bit	10bit	8bit	
75,000	1280	288	6.31	7.57	9.46	
	1280	256	7.10	8.52	10.65	
	1280	224	8.11	9.73	12.17	
	1008	288	8.41	10.09	12.62	
	672	288	12.62	15.14	18.93	
	672	224	16.23	19.47	24.34	
	336	256	28.40	34.08	42.60	
100,000	1280	208	6.55	7.86	9.83	
	1280	192	7.10	8.52	10.65	
	1280	128	10.65	12.78	15.97	
	1008	208	8.73	10.48	13.10	
	672	208	13.10	15.73	19.66	
	336	208	26.21	31.46	39.32	
	336	192	28.40	34.08	42.60	
120,000	1280	160	7.10	8.52	10.65	
	1008	160	9.46	11.36	14.20	
	672	160	14.20	17.04	21.30	
	336	160	28.40	34.08	42.60	
	150,000	1280	112	8.11	9.73	12.17
		1280	96	9.46	11.36	14.20
		1008	112	10.82	12.98	16.23
672		112	16.23	19.47	24.34	
336		112	32.46	38.95	48.69	
336		96	37.87	45.44	56.80	
200,000	1280	64	10.65	12.78	15.97	
	336	64	42.60	51.12	63.90	
250,000	1280	48	11.36	13.63	17.04	
	336	48	45.44	54.53	68.16	
300,000	1280	32	14.20	17.04	21.30	
	336	32	56.80	68.16	85.20	



ACS-1 M30 256GB model Normal mode (4/4)

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
400,000	1280	16	21.30	25.56	31.95
	336	16	85.20	102.25	127.81
500,000	1280	16	17.04	20.45	25.56
	336	16	68.16	81.80	102.25

ACS-1 M30 256GB model Boost mode

Preset. The recording time is without segment or block partitioning

Frame Rate (fps)	Valid Pixels		Recording Time (sec)		
	Horizontal	Vertical	12bit	10bit	8bit
30,000	1280	896	10.14	12.17	15.21
35,000	1280	896	8.69	10.43	13.04
40,000	1280	896	7.60	9.12	11.41
45,000	1280	896	6.76	8.11	10.14
50,000	1280	896	6.08	7.30	9.12
60,000	1280	736	6.17	7.40	9.26
65,000	1280	672	6.24	7.49	9.36
	672	672	12.48	14.98	18.72
75,000	1280	576	6.31	7.57	9.46
	672	576	12.62	15.14	18.93
100,000	1280	416	6.55	7.86	9.83
	672	416	13.10	15.73	19.66
120,000	1280	320	7.10	8.52	10.65
	336	320	28.40	34.08	42.60
150,000	1280	224	8.11	9.73	12.17
	336	224	32.46	38.95	48.69
200,000	1280	128	10.65	12.78	15.97
	336	128	42.60	51.12	63.90
250,000	1280	96	11.36	13.63	17.04
	336	96	45.44	54.53	68.16
300,000	1280	64	14.20	17.04	21.30
	336	64	56.80	68.16	85.20
400,000	1280	32	21.30	25.56	31.95
	336	32	85.20	102.25	127.81
500,000	1280	32	17.04	20.45	25.56
	336	32	68.16	81.80	102.25

Revision History

ACS-1 Preset Table Revision History

Rev	Date of issue	Changes
A	April 2020	First edition
B	August 2020	Change USA Contact Information
C	July 2021	Supported firmware Ver2.14.
D	March 2023	Change European Contact Information
E	February 2024	ACS-1 M30/M30E add.

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