

Memrecam High Speed Motion Analyzer, Model C2S

Color High Speed Digital Camcorder

The new Memrecam C2S Camera represents a breakthrough in color high speed video recording. It includes vibrant color, high resolution, compact size, electronic shuttering, and image compression. It provides color motion analysis and slow motion viewing in a wide variety of applications:

- Research & Development
- Production & Assembly
- Broadcasting
- Athletics
- Medicine
- Biological Sciences
- Product Testing
- Quality Control

The Memrecam records fast moving objects in digital memory for later analysis. The image sequences can be played back at any speed from one frame at a time to about twice the actual "real time" rate. The optional data magazine allows long term storage archival storage or transfer to a computer system for computerized analysis.

The Model C2S consists of a compact camera and processor. The camera contains 3 color CCD sensors in a small 3 in. x 3 in. x 5 in. housing.



The processor holds the system circuitry, interface circuitry, and digital memory that records up to 80 seconds of images. The unit's small size and light weight make using, moving, storing, and shipping the unit easy and convenient.

Simple to operate, the C2S makes high speed video recording quick and almost effortless. Call your Kodak representative today to learn more about the Memrecam C2S.

Digital Memrecam C2S

- Lightweight, under 9 lbs.
- Brilliant color, high resolution pictures at 200, 300, or 400 pps
- Easy to set up, record and playback, all from the processor or remotely
- Instant color replay
- Built-in electronic shutter
- Real time image compression for extended recording time
- Computer controllable, analog and SCSI output
- Multiple camera operation

Memory Configuration

Model Number	Frame Per Second	Resolution	Record Time-NC	Record Time-C
C2S-1	200	504x242	1.3	3.8 - 18.3
	300	504x155	2.7	4.0 - 19.2
	400	504x111	1.55	4.4 - 21.1
C2S-2	200	504x242	2.7	7.6 - 36.6
	300	504x155	2.8	8.0 - 38.5
	400	504x111	3.1	8.8 - 42.2
C2S-3	200	504x242	5.4	15.3 - 73.2
	300	504x155	5.65	16.1 - 77.0
	400	504x111	6.2	17.6 - 80.0

NC = no compression

C = compression

SPECIFICATIONS

Memrecam High Speed Motion Analyzer, Model C²S

Camera:

Imager: 3 color CCD sensors, 270,000 pixels each, solid state
Lens Mount: Bayonet mount (ENG)
Sensitivity: 2,000 Lux @ F4
Frame Rate: 200 (full frame), 300, 400 fps (partial frame)
Pixels: 504 (H) x 242 (V) at 200 fps
Electronic Shutter: 1/500; 1/1,000; 1/2,000; 1/5,000; 1/10,000 sec
Dimension: Approximately 3 in. (H) x 3 in. (W) x 5 in. (D)
Weight: Approximately 2.6 lb.

Data Recorder:

Recording Time (seconds)

Model	Minimum (no compression)	Maximum (maximum compression)
C ² S-1	1.3	21
C ² S-2	2.7	42
C ² S-3	5.4	80

Compression Rate: 8 steps (no compression, seven compression rates)
Replay Speed: From 1 - 960 pictures per second, step forward/reverse
Video Output: NTSC/PAL, Y/C separated (S-VHS)
External Sync: Yes
Digital Interface: SCSI, RS-232
Dimensions: Approximately 3.3 in. (H) x 8.5 in. (W) x 10.5 in. (D)
Weight: Approximately 8.8 lb.