

MotionMeter™



MotionMeter is the first handheld slow-motion digital video camera to capture what other cameras can't — high-speed processes. Uniquely designed for manufacturing, maintenance and service professionals, *MotionMeter* makes it easy to record and measure the accuracy of production and packaging machinery. With video documentation, there's no need for time-consuming trial and error methods. Which means you get optimized manufacturing operations, faster time-to-market and improved product quality — all in the blink of an eye.

What's more, *MotionMeter's* low price and rugged design make it perfect for any industrial environment. Finally, the power of slow-motion video is right in the palm of your hand.

SNAPSHOT

Handheld

The *MotionMeter* measures only 8.13" long, 5.13" tall and 2.7" wide. So it goes where you go.

Efficient

MotionMeter is ready when you are. Its lightweight and portable form factor eliminates time-consuming set up and costly equipment. Now you can make assessments and improvements faster and easier than ever before.

Affordable

With a price tag thousands of dollars less than other models, the *MotionMeter* fits as easily into your budget as it does into your hand.

Simple

Just point, click and shoot. With large control buttons and a user-friendly interface, anyone can master the *MotionMeter*.



REDLAKE MASD, INC

MotionMeter

Performance Specifications

Sensor Array:	CCD, 658 x 496 pixels with advanced Lateral-Overflow-Drain Antiblooming.
Sensitivity:	5 lux at 250 frames/sec. 0.5 lux at 250 frames/sec with low light camera option.
Recording Rates:	50 (PAL), 60 (NTSC), 125, 250, 500 and 1000 frames per second (depending on model).
Exposure Rates:	1x, 2x, 3x, 4x, 5x, 10x, and 20x the recording rate.
Recording Mode:	
<i>Manual:</i>	Begins recording when the record button is pushed. Continues to record and store images in memory until the stop button is pushed.
<i>Trigger:</i>	Begins recording when the record button is pushed. Continues to record and store images in memory until an external trigger signal is received. The adjustable trigger (0% - 100%) determines how many frames are stored before and after the trigger signal is received.
Frame Storage:	
<i>Standard:</i>	Up to 2,048 frames, depending on model.
<i>Enhanced:</i>	Up to 4,098 frames, depending on model.
<i>Playback Rates:</i>	Single step mode, plus auto-playback at 1, 2, 3, 4, 5, 10, 15, 25, 30, 50, 60, 125, 250, 500 or 1,000 frames per second, forward and reverse.
Control Buttons:	Menu, Function Select, Increment, Decrement, Record, Stop, Play Forward, Play Reverse.
I/O Connectors:	Composite Video Out: NTSC or PAL, Event Marker In / Phase Lock In, Strobe Out / Phase Lock Out, Trigger In.
Trigger Input:	Contact Closure, standard TTL signal or up to 30V DC. BNC connector.
Synchronization:	Multiple <i>MotionMeter</i> units can be synchronized through phase-lock.
Lens Mount:	Standard C-mount.
Power Supply:	Input 110V - 240V AC, Output 12V DC, 25 Watts maximum.
Camera Size:	200 x 130 x 45mm .5 kg 8.13 x 5.13 x 2.7 inches 1.5 lbs

Recording Rates and Frame Storage:

Recording Rate	Standard Memory	Enhanced Memory
50 (PAL)	20.5 sec / 1,024 frames	41 sec / 2,048 frames
60 (NTSC)	17 sec / 1,024 frames	34 sec / 2,048 frames
125	8.2 sec / 1,024 frames	16.4 sec / 2,048 frames
250	4.3 sec / 1,024 frames	8.5 sec / 2,048 frames
500	2 sec / 1,024 frames	4 sec / 2,048 frames
1000	2 sec / 2,048 frames	4 sec / 4,096 frames

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