

1-Channel Digital Video Capture Camera / DVR



Features

Camera

- Portable and compact size
- Built-in High Resolution Digital Camera
- Continuous, Scheduled and Motion Detection recording
- Two selectable resolutions (VGA & QVGA)
- Three levels of Image Quality settings
- Built-in Flash Memory SD Card
- DC12V or 4xAA Batteries (Power Supply Included)
- User friendly front panel design
- OSD Menu with all controls on back panel
- Wall/Ceiling mount included

Product Summary

The MD-2GB digital video recorder includes a high resolution color camera with selectable resolution of CIF or 4CIF and three image quality settings (Low-Medium-High).

The MD-2GB is truly a portable system that offers two options to supply power to the unit; either the included power adapter or four AA batteries (not supplied). The 1/4"-20 mounting hole is used with the supplied wall/ceiling mount or other customer defined options for covert placement may be used. With its low power consumption of only 2W, the AA batteries will last for several hours.

The recording configuration is menu driven with options for setting the recording schedule, recording only events or recording full time. The resolution and quality are also selected through the OSD menu. The two resolution options are VGA (640 x 480) or QVGA (320 x 240). When selecting the high resolution VGA setting the images per second are 1~12ips and when QVGA is selected the images per second are set 1~30ips. These record resolution settings are independent of the quality level settings.

Once the record resolution is determined the quality setting will affect the amount of recording time stored on the SD card. Please reference the storage capacity chart under specifications for additional information. The overwrite or full stop select switch is located on the back of the housing along with programming controls, video output connector and external power supply connection.

The high resolution camera employs an electronic shutter for a wide range of lighting conditions plus the auto white balance and auto gain controls provide the best possible pictures in a variety of scene applications. The camera's image device is a 1/4" color CMOS sensor and is coupled with a 3.8mm F2.0 fixed lens giving approximately a 45° horizontal angle of view. Motion detection is set up within this wide angle field of view by activating one or more blocks and selecting the proper sensitivity. Motion detection is used as an event to trigger recording and will extend the amount of recording time on the available storage media.

Ordering Guide

SCN#
MD-2GB

Item
DVR Camera, Covert,
640x480, MPEG4,
2GB SD Card



ADT Always There®

Specifications

CAMERA

Sensor	1/4" Color CMOS Sensor
Effective Picture Elements	VGA (H/V: 640 x 480)
Signal/Noise Ratio	46 dB
Electronic Shutter	Auto (1/60~1/15,000)
Gain Control	Auto
Auto White Balance	AWB
Synchronous System	NTSC
Lens	3.8mm / F2.0 (Pinhole)
Video Output Port	RCA (1Vp-p / 75 Ohms)
Video Resolution	VGA (640 x 480) / QVGA (320 x 240)
Video Quality	High / Medium / Low

DVR

Video Compression	MPEG4
Recording Resolution	320 x 240: 1~30ips; 640 x 480 1~12ips
Storage Media	Secure Digital High Capacity card (SDHC max 32GB)
Recording Modes	Manual / Schedule / Event (Motion Detection)
Storage Capacity	Built-in Flash Memory (2GB included)
Memory Full Action	Stop / Overwrite (Selectable)
Playback Mode	Forward / Rewind x1/ x2/ x4/ x8/ x16/ x32, Pause & Stop
Search Playback	Date & Time / Event
Motion Detection	Full Screen / Adjustable Detection Sensitivity Rate
On Screen Display	Mode / Date / Time / Status

POWER

Power Supply	Power Adapter (Included) 12VDC +/- 10% / 180mA
Power Consumption	Max 2.0Watts
Portable Power Option	4-AA Batteries (Not Included)
Battery Life (NiMH 2100mA)	Continuous Operation; 4-hours and 45-minutes

GENERAL

Dimensions (W x H x D)	2-3/4" x 3-15/16" x 1-3/8" 70mm x 100mm x 35.7mm
Weight	0.25 lbs. (With batteries 0.45 lbs.)
Operating Temperature	41°F~104°F (5°C~40°C)
Humidity	30~80% (non-condensing)
Mounting options	1/4"-20 threaded insert on back

STORAGE

(Continous Record) - 2GB Unit: minute

Quality Level	640 x 480@12ips	320 x 240@30ips
High	190	180
Medium	320	420
Low	400	640

Event (Motion Detection) Recording:
Less motion activity will lengthen record time

BATTERY COMPARTMENT



CONTROLS AND VIDEO OUT

