

DATASHEET



FEATURE PACKED DVR RANGE WITH TELEMETRY NOW WITH NEW FEATURES

The SD Range offers the user a high performance, easy to use plug and play DVR with configurable record settings.

The 8 and 16 channel models, now available with front panel control, offer consistent recording duration and smooth motion video on ALL cameras.

Pre-configured default settings allow for a simple out-of-the-box installation whilst menus allow per channel configuration to utilise full global PPS.

Of course for those looking for more advanced features the SD's common user interface can be configured locally via its IR Remote Control/optional keyboard or remotely via web pages. Activity Detection, Alarm Reporting, Text support (for POS transactions), **MultiMode** Recording and of course Coax & Serial Telemetry are all included as standard in the SD Range.

With the perfect combination of out of the box practicality and unrivalled levels of performance, the SD Range is the perfect mid-level DVR.

4 and 32 channel models are available without front panel. See website for details.

FEATURES

- 8 and 16 camera input options
- Front panel control **NEW**
- Up to 1TB of local storage, an additional 10TB available using MSUs
- Live and playback viewing on local composite monitor and over Ethernet
- JPEG or MPEG-4 recording and transmission
- BS8418 compliant remote alarm reporting
- On-board Help Videos **NEW**
- Text support - capture, record and search text data with relevant CCTV footage
- Coaxial & Serial Telemetry Control
- **MultiMode** Recording – Dynamically-switchable resolution, record-rate & compression (MPEG4/ JPEG) per camera
- Built in DVD-R writer and USB ports for archiving evidential material **NEW**
- Color-coded soft key menus, identical local and remote interfaces
- Displays common configuration interface when accessed locally at the unit or remotely via a web browser
- Connect up to 4 IP Cameras* **NEW**



SPECIFICATION

CAMERAS

8 or 16 camera inputs. Looping BNC connectors provided for each camera input. Auto detection on power up. Alarm on Camera Fail.

RECORD RATE

Global record rates of up to 100pps (PAL), 120pps (NTSC).

RECORDING

Playback and record to hard disk simultaneously.

Alarmed or manually selected images can be protected from being overwritten.

STORAGE

Up to 1TB of on-board storage, additional storage available via eSATA port.

MONITOR VIEWING

Main Monitor: Composite or S-Video Output (Full screen, picture in picture, quad viewing and multiscreen)

Spot monitor: 1x Composite Output (Full screen, sequence)

REMOTE VIEWER

Integrated into the configuration web pages, the remote viewing client reflects the local on-screen user interface.

SEARCH AND PLAYBACK

- Fast picture search
- Event list, including event list filter and unique quadrant preview facility
- Powerful Video Timeline facility for rapid search through recorded footage
- Playback in quad, multiscreen, picture in picture and full screen.

MULTIMODE RECORDING

Set different record rates, resolutions (QCIF to 4CIF), and compression algorithms (MPEG-4/JPEG) dynamically on individual cameras and across the whole unit for both normal and alarm modes.

HIDDEN CAMERAS

Option to view all or selected cameras, without affecting cameras recording.

IP STREAMING & RECORDING*

Up to 4 IP video streams from IP devices can be connected. Each IP video stream supports up to VGA resolution. 3rd party IP camera support is available via a chargeable licence fee. Supported cameras include; JVC, Axis, Sony, Arecont, Panasonic, Samsung, Canon, Acti, Mobotix..

RECODING*

The SD Range can decode, in real-time, any supported 3rd Party IP camera stream, and convert to a raw video image. This enables functions such as activity detection and switching on alarm to be performed on any connected IP stream..

ALARMS AND RELAYS

17 normally open/closed tamper proof alarm inputs via back panel. 1 Global keyswitch input. 17 configurable alarm inputs and 4 relay outputs.

Individual configurable alarm responses include; move camera to preset, activate a relay, remote alarm reporting, email on alarm, log event, switch camera, activate sounder.

ACTIVITY DETECTION

Activity detection will switch the selected camera from normal record profile to alarm record profile.

AUDIO

Line in: 1x 1V pk-pk, RCA phono socket

Line out: 1x 1V pk-pk, RCA phono socket

EVENT COPYING

Integrated DVD-writer and USB ports. Event Copying or Selective Archiving of video.

HELP VIDEOS

The SD includes on board help videos for assistance on both User and Configuration features. Accessible from both the local and remote viewer the help videos cover all major operation and configuration topics include: Basic Live and Playback control, telemetry control, alarm configuration, event reviewing and archiving.

TEXT SUPPORT

The unit can search captured transaction data for specific goods purchased, transaction numbers, credit card references, keywords etc. and jump straight to the associated video sequence.

TELEMETRY

Built-in RS485/Twisted pair and coax protocols provide direct control of the numerous domes including but not limited to the following; Dedicated Micros 2040, 2060, Oracle and Infiniti, Honeywell /VCL Orbiter & Jupiter Microspheres™, GE CyberDome™, BBV RS485 StarCard, Bosch/Philips G3, Pelco P Spectra II, Spectra III, American Dynamics, Panasonic.

COMPRESSION

JPEG & MPEG-4 format files.

DATA PORTS

Serial Ports: 2x RS485, 2x RS232

Ethernet: 1x Ethernet RJ-45 10/100 Ethernet connection.

USB: 3 x USB 2.0 Connector

eSATA: 1x eSATA port

Keyboard: 1 x RJ12

IR Remote: 1x IR sensor at front of unit

WEIGHTS & MEASURES

Dimensions: 89mm (H) x 440mm (W) x 537mm (D)

Weight: 11.4 kg (25.1 lbs) with built-in PSU

POWER SUPPLY

500W Internal Power Supply

TEMPERATURE RANGE

Relative humidity: 10% - 85% Non-condensing

WARRANTY

2 years warranty including HDDs

Model Code	Description
DM/SD08MIN	SD 8 Ch DVR, 50pps, 4CIF, 500GB, USB
DM/SD08MED	SD 8 Ch DVR, 50pps, 4CIF, 1TB, USB
DM/SD16MIN	SD 16 Ch DVR, 100pps, 4CIF, 500GB, USB
DM/SD16MED	SD 16 Ch DVR, 100pps, 4CIF, 1TB, USB
DM/KBC1	Touch Keyboard
DM/KBC2	Joystick Keyboard
DM/RC06	IR Remote Control

* Available in a forthcoming software release - please see the website for full details

To find your nearest Dedicated Micros office, please visit

www.dedicatedmicros.com

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