

DATASHEET



A highly capable mid-range hybrid DVR, the SD Advanced builds on the extensive feature set of the SD Range with the addition of IP streaming & recording, front panel local control, VGA main monitor support and Oracle Dome configuration.

IP STREAMING & RECORDING

The DVR is capable of the seamless recording & display of IP video streams from IP Cameras, IP domes, encoders and other NetVu Connected Video Servers offering the ability to view and record IP Sources, irrespective of the devices' location. Telemetry is also supported.

RECORD RATE

Offering up to 400pps across the unit (16 Channel model), the SD Advanced has a default setting of 5pps (2CIF) per camera irrespective of the model allowing the unit to be installed with minimum configuration.

ANALYTICSCAPABLE

AnalyticsCapable products can be upgraded to run a range of Dedicated Micros analytics components including; ANPR, Object Left/Removed, Detection Tripwire and Counting Tripwire.

Only a software licence upgrade is required to deploy analytics. Please contact our Customer Services team for more information.

ORACLE DOME CONFIGURATION

With complete integration between the Oracle Dome and the unit, users are able to configure the PTZ dome directly from the DVR.

MULTIPLE UNIT CONTROL

When used in combination with the latest features of NetVu Console, up to 16 SD Advanced DVRs can be controlled from a single keyboard interface providing live and playback viewing, monitor and camera control across all of them. Ideal for situations where the units are centrally located and configured in a monitor wall scenario.

FEATURES

- Local control from front panel
- Real-time display
- 8, 12 or 16 channel models, up to 400pps across the unit
- Composite or VGA main monitor
- Streaming and Recording of IP Cameras and devices
- AnalyticsCapable - enables analytics solutions to be deployed on your CCTV system
- Text support - capture, record and search text data with relevant CCTV footage
- NetVu Connected for seamless interoperability with other NetVu Connected devices
- Coaxial & Serial Telemetry Control
- Embedded Operating System
- Control multiple units from a single SD Advanced
- MultiMode Recording - Dynamically-switchable resolution, record-rate & compression (MPEG4/JPEG) per camera
- Oracle Dome configuration
- Built in DVD-R writer and USB ports for archiving evidential material
- TransCoding - High quality recording and simultaneous video transmission using MPEG4 or JPEG for remote viewing AND playback



SPECIFICATION

CAMERAS

8, 12, 16 camera inputs available. Auto detection on power up. Alarm on Camera Fail.

RECORDING

Simultaneous live viewing during playback and recording
IP Streaming/Recording of supported IP devices

RECORD RATES

Maximum PPS of unit: 200/300/400pps (8/12/16 Ch)

STORAGE

Up to 2TB of on-board storage, additional storage available via eSATA port.

MONITORVIEWING

Main Monitor: Composite or VGA Output
Spot monitor: 1x Composite Output

REMOTE VIEWER

Integrated in to the configuration web pages is a remote viewing client that duplicates identically the local on-screen user interface of the unit. Removing the need to install any separate software, this remote viewer can be used on any compatible browser.

ANALYTICSCAPABLE

AnalyticsCapable products can be upgraded (via the purchase of a software license) to run a range of Dedicated Micros analytics solutions including; ANPR, Object Left/Removed, Detection Tripwire, Counting Tripwire.

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.

TRANSCODING

High quality recording and simultaneous video transmission using MPEG4 or JPEG for remote Live viewing AND Playback.

ORACLE DOME CONFIGURATION

Configure Oracle Domes using the units configuration pages

VIDEO MOTION DETECTION

Programmable VMD grid with individually definable zones per camera. User-definable sensitivity for each zone. Pre and post activity recording, definable by user. Change camera recording rates on activity. Notify user of activity over Ethernet, ISDN and PSTN.

BS8418

BS8418 Compatible including; Tamper Proof alarm contacts, alternative signalling path, secondary signalling and entry/exit routes for alarm inputs.

ALARMS AND RELAYS

20 Normally open/closed tamper proof alarm inputs.
One global keyswitch can be assigned to operate from any of these inputs and is configurable with entry/exit route timers. 4 relay outputs are configurable to trigger in response to events.

ALARM ZONES

Alarm zones combine multiple alarm inputs to generate alarm events. This can help to minimise false triggers. e.g. you can set an alarm to be triggered by a combination of a PIR and Camera VMD to remove miss-triggers from either source.

AUDIO

Line in: 2x 1V pk-pk, RCA phono socket
Line out: 2x 1V pk-pk, RCA phono socket
Local and network audio record and playback

EVENT COPYING

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

ACTIVITY DETECTION

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

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 including but not limited to the following:

Dedicated Micros 2040, 2060, Oracle, Pelco P/D/C, Honeywell / VCL Orbiter & Jupiter Microspheres™, GE CyberDome™, BBV RS485 StarCard, Bosch/Philips G3, American Dynamics, Panasonic

LOCAL CONTROL

Controlled via front panel keypad, an attached telemetry key-board, the supplied IR remote or USB mouse or using a USB QWERTY Keyboard.

COMPRESSION

JPEG & MPEG-4 format files.

RESOLUTION

QCIF, CIF, 2CIF and 4CIF resolution

DATA PORTS

Serial Ports: 2x RS485, 2x RS232
Ethernet: 1x Ethernet RJ-45 10/100 Ethernet connection.
USB: 2 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

Temperature range: 5 - 40°C

RELATIVE HUMIDITY

Relative humidity: 10% - 85% Non-condensing

WARRANTY

3 years warranty including HDDs.

AVAILABILITY

The SD Advanced is available now, directly from Dedicated Micros* – please contact Dedicated Micros Customer Service team for further information about how to become a DV-IP reseller

Note: Subject to approval and minimum order quantity.

Model Code	Description
DM/SDAV08X30	8 Channel Hybrid DVR, 200pps, 250GB
DM/SDAV12X30	12 Channel Hybrid DVR, 300pps, 500GB
DM/SDAV16X30	16 Channel Hybrid DVR, 400pps, 500GB
DM/SDAV08X60	8 Channel Hybrid DVR, 200pps, 500GB
DM/SDAV12X60	12 Channel Hybrid DVR, 300pps, 750GB
DM/SDAV16X60	16 Channel Hybrid DVR, 400pps, 1TB
DM/SDAV08X90	8 Channel Hybrid DVR, 200pps, 750GB
DM/SDAV12X90	12 Channel Hybrid DVR, 300pps, 1TB
DM/SDAV16X90	16 Channel Hybrid DVR, 400pps, 1.5TB
DM/SDAV16X120	16 Channel Hybrid DVR, 400pps, 2TB

To find your nearest Dedicated Micros office, please visit

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