

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, SVGA 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.

ANALYTICS CAPABLE

AnalyticsCapable products can be upgraded to run a range of Dedicated Micros analytics components including; ANPR, Object Left/Removed, Detection Tripwire and Counting Tripwire. A hardware or software licence upgrade may be 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.

POINT&GO AND ABSOLUTE POSITIONING

Point&Go and Absolute Positioning provide the operator with easy to use, on-screen telemetry control. **Point&Go** enables users to have Pan & Tilt control of an attached DM Oracle Dome simply by clicking an area of the screen – the camera will instantly respond, centrally positioning the selected area. Using the Absolute Positioning capability of an Oracle Dome and the on-screen Camera Selection Map, users can select and move cameras to any area of the site in one mouse click.

FEATURES

- Local control from front panel
- Real-time display
- 8, or 16 channel models, up to 400pps across the unit
- Composite or SVGA 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
- Easy to use, on-screen telemetry control with **Point&Go** and Absolute Positioning
- Oracle Dome configuration
- Control multiple units from a single SD Advanced when combined with NetVu Console
- **MultiMode** Recording - Dynamically-switchable resolution, record-rate & compression (MPEG4/ JPEG) per camera
- 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
- Color-coded soft key menus, identical local and remote interfaces, video timeline and on-screen camera maps
- Embedded Operating System
- Compatible with a range of operating systems, including Windows PC's and Apple Macintosh computers



SPECIFICATION

CAMERAS

8, 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: 200/400pps (8/16 Ch)

STORAGE

Up to 4TB of on-board storage, additional storage available via eSATA port.

MONITORVIEWING

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

REMOTE VIEWER

Integrated into the configuration web pages, the remote viewing client duplicates the local on-screen user interface. This remote viewer can be used on any compatible browser removing the need to install any separate software.

ANALYTICS CAPABLE

Analytics Capable products can be upgraded 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.

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.

HELP VIDEOS

The SD Advanced 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 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 Also supports **Point&Go** and Absolute Positioning when connected to an Oracle Dome over RS485

LOCAL CONTROL

Front panel keypad, an attached telemetry keyboard, the supplied IR remote, USB mouse or USB QWERTY Keyboard.

COMPRESSION & RESOLUTION

JPEG & MPEG-4 format files
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 & RELATIVE HUMIDITY

Temperature range: 5 - 40°C
Relative humidity: 10% - 85% Non-condensing

WARRANTY

3 years warranty including HDDs

Model Code	Description
SDAV08MIN	8 channel analogue/IP, DVR/NVR, 200 pps, 500 GB, SVGA, USB
SDAV08MIN	8 channel analogue/IP, DVR/NVR, 200 pps 1 TB, SVGA, USB
SDAV16MIN	16 channel analogue/IP, DVR/NVR, 400 pps 1TB, SVGA, USB
SDAV16MED	16 channel analogue/IP, DVR/NVR, 400 pps 2 TB, SVGA, USB
SDAV16MAX	16 channel analogue/IP, DVR/NVR, 400 pps 4 TB, SVGA, USB

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