

SD Advanced Analogue HD Hybrid NETWORK VIDEO RECORDER



Designed, manufactured and supported in the United Kingdom, with software written entirely to Western Standards, the SD Advanced range provides the best solution for every application. The SD Advanced Analogue HD Hybrid NVR provides a powerful upgrade path from analogue CCTV to high definition IP surveillance whilst maximising investments made in legacy products.

WHY SD Advanced?

- ✓ Connect cameras over Co-axial or Ethernet cables, offering a lower cost to upgrade legacy analogue video surveillance systems to high definition IP.
- ✓ Automatic discovery and channel allocation of NetVu cameras and peripheral devices with automatic firewall and VLAN configuration for better cyber security.
- ✓ Driven by NetVu Connected™ core technology to ensure differentiated, scalable and seamless operation.
- ✓ MultiMode™ recording with NetVu cameras reduces storage needs while maintaining very high recording quality, offering initial savings on storage costs and extended Hard Disk Drive life.
- ✓ Simple data capture, recording and presentation from EPOS, Electronic Access Control and Building Management Systems.

KEY FEATURES

- High Definition IP Cameras, High Definition Analog (AHD) cameras and legacy composite video cameras (NTSC or PAL) supported in a single unit.
- Expandable to 32 channels using NetVu System Extenders or a customer network.
- 2 internal 3.5" drives, and external eSATA or NAS storage expansion, or both.
- Coaxial and RS485 PTZ camera telemetry support for legacy systems.
- Video Partition File™ (PAR File) Format with low latency streaming, error correction and time-synchronised playback of multiple images, audio and metadata plus activity-based search of recordings.
- Synchronised playback of multiple images, audio and metadata plus activity-based search of recordings.

Technical Specifications

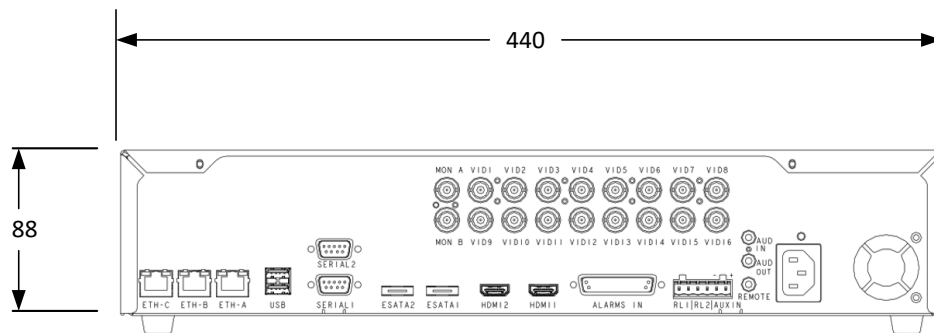
Channels	Up to 32 channels using NetVu System Extenders.		
Network Connections	3 x Gbit RJ45		
Record Rates	1080p IP High 1080p ½RT Med W576p ½RT Low W288p ½RT	720p AHD High 1080p ½RT Med W576p ½RT Low W288p ½RT	Standard Res High 4CIF RT Med 2CIF RT Low CIF RT
Telemetry Support	Coax / UTC Dedicated Micros 2040, 2060, Oracle, Pelco C, Coax.	RS485 Pelco D/P, Honeywell / VCL Orbiter & Jupiter Microspheres™, GE CyberDome™, BBV RS485 StarCard, Bosch/Philips G3, American Dynamics, Panasonic.	
Local Display	2 x HDMI V1.4 Display interfaces 1920x1080, MPEG4 / JPEG supported.		
Supported Keyboards	Integrated Front Panel, KBC2/U. USB Mouse and Keyboard.		
Storage	2 x Internal 3.5" HDD (6TB Typical / 12TB max). External eSATA Expansion. Additional NAS/SAN Support.		
Alarms and relays	19 x alarm inputs. 1 x Aux alarm. All alarm inputs are BS8418 compliant. 2 x Relay Outputs (normally open).		
Alarm Reporting	NetVu Connected Remote Alarm Reporting. SNMP Remote Alarm Reporting.		

Analytics	VMD and Activity Detection integrated with Activity Search. Additional Analytics including ALPR via near side servers.
Network Protocols:	NetVu Connected Advanced Streaming, HTTP/HTTPS, TCP/IP, UDP/IP, RTSP/RTP Unicast and Multicast, Telnet / SSH, FTP, PoE, NTP, SNMP, Zeroconf, iSCSI.
Data Ports	1 x RS232 Tx/Rx/RTS/CTS on 9-way female D-Type connector. 1 x RS485/RS422 on 9-way female D-Type connector.
USB	3 x External Type A (1 x front, 2 x rear).
Audio	Line in: 1 x 1V peak to peak, 3.5mm jack. Line out: 1 x 1V peak to peak, 3.5mm jack. Local and Network audio record and playback.

General Specification & Warranty

Power	250W External PSU, 100 to 240V AC Input.
Operating Temperature	5°C to 45°C (41°F to 113°F).
Operating Humidity	10% to 85% (Non-condensing).
Regulatory Approvals	CE marked. Complies with part 15 of FCC CFR47. RoHS Compliant. UL Listed
Product Dimensions	88mm x 445mm x 440mm (3½" x 17½" x 17¼"). 2U 19" racking
Product Weight	11.4kg (25lbs, 2½oz.) including PSU.
Warranty	1 year, plus additional 1 year (registration required)

TECHNICAL DRAWING



PART NUMBERING

SD Advanced

SDHD/16/12T



ACCESSORIES

NetVu Joystick Keyboard KBC2/U
NetVu System Extender N2SE

NETVU VIDEO MANAGEMENT SOFTWARE

NetVu Pick-a-Point PPW03
NetVu Enterprise Observer ENVO
NetVu Archive Management AMS

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SDA/DAT/001/A