

Professional CCTV Banking Solutions

VR8516

960H Standalone DVR

XX VIDEOTEKNIKA



Overview

VIDEOTEKNIKA 8000 Series 960H DVR is robust and reliable range of Digital Video Recorders with Full HD 1080p local display capability and recording benchmark of up to 960H (WD1) resolution and 16ch Audio In & 2 Channel audio output. The VR8516 ensures unlevelled video recording quality in multiple applications on an open platform in live and also in playback. The VR8516 has a standard availability of 8 Hard Disks bays allowing recording capacity of up to 24TB. Backup facility is available via the network, USB, eSATA or optional DVD-RW.

Supported Cameras

The VR8516 supports all Videoteknika Professional Cameras and is fully compatible with its own software. Within the Videoteknika range various video encoders and video decoders are available to further more expand the flexibility for the system integrator and ensure total system synchronization. Each channel on-board the DVR allows for dual streaming with the mainstream supporting up to 960H / WD1 of recording resolution. Various alarm inputs and outputs are also available on the DVR.

Storage Features

The VR8516 supports up to 32TB (8 HDD's x 4TB each) which allows for individual channel recording allocation ensuring the right data capacity is assigned through the relative camera depending on its resolution. Instant playback is also possible via the Videoteknika reverse instant playback capability which is unique to Videoteknika DVRs.

Main Features

- Recording Quality up to 960H (WD1)
- 2-Way Audio
- Up to 16 Channels recording at 960H Resolution
- Up to 32 TB (8 HDD x 4TB each) storage space
- Self Adaptive 10m/100m/1000m network interface
- H.264 video compression
- Dual Simultaneous Streaming
- Simultaneous HDMI, VGA & CVBS outputs
- HDMI & VGA (Full HD 1080p) output
- Local Data Export via Network / USB / eSATA / DVD-RW (opt.)
- 16ch Audio In & 2ch Audio Out
- 16ch Alarm In & 4ch Alarm Out
- 16ch Synchronous playback



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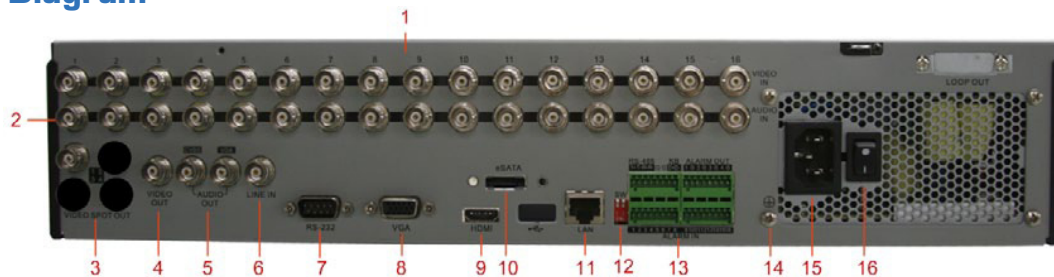


Specifications

NVR Model	VR8516
Features	
Video compression	H.264
Video Input	16 Channels
HDMI/ VGA output	Up to 1920 x 1080 px
CVBS Output	2-ch, (1 Main output + 1 Spot output)
Video loop out	Reserved
Encoding resolution	Main stream: up to 960H / WD1 Sub-stream: up to CIF
Frame rate	25fps (P) x 30fps (N)
Dual-stream	Yes
Stream type	Video, Video & Audio
Playback resolutions	WD1 / 4CIF / 2CIF / CIF / QCIF
Synchronous playback	16 Channels
Audio input	16-ch, BNC (2.0 Vp-p, 1 kΩ)
Audio Output	2-ch, BNC (Linear, 600Ω)
2 Way Audio	Yes
SATA HDD	8 SATA HDD interfaces
Capacity	Each HDD supports up to 4TB capacity for recording

NVR Model	VR8516
Features (Continue)	
eSATA	1 eSATA interface
Network Interface	1 RJ-45 10 / 100 / 1000 Mbps self-adaptive Ethernet interface
Serial Interface	1 RS-232, 1 RS-485 & 1 RS-485 keyboard
USB Interface	2, USB 2.0
Alarm In / Out	16 / 4
Environmental	
Working Temperature	-10°C ~ +55°C
Working Humidity	10 % ~ 90 %
Electrical	
Power Supply	AC 220V, 47-63 Hz
Power Consumption	≤ 45W
Physical	
Dimensions (mm)	445 (W) x 470 (D) x 90 (H)
Chassis	19-inch rack-mounted 2U chassis
Weight	≤ 8 Kg (without HDD or DVD-R/W)
Regulatory Certifications	
	FCC, CE, C-TICK, UL

Technical Diagram



Real Panel

1. Video In
2. Audio In
3. Video spot out
4. Video out
5. Audio out
6. Line in
7. RS-232 serial interface
8. VGA interface

Real Panel (Continue)

9. HDMI interface
10. eSATA interface
11. LAN interface
12. Termination switch
13. RS-485 serial interface, keyboard interface, alarm in, alarm out
14. GND
15. 100~240 VAC power input
16. Power switch

Ordering Information

NVR Model	Network Video Recorder Details
VR8516	16-Ch, Up to 960H / WD1 Recording Quality, Up to Max. 32TB of HDD space, eSATA interfaces, H.264, Dual Streaming, Simultaneous HDMI, VGA (Full HD 1080p) & CVBS outputs, Local Data Export, Network, Alarm, Audio, Various Backups.

