

IP Video Surveillance

VN8064 Pro

Network Video Recorder



Overview

VIDEOTEKNIKA 8000 Series is robust and reliable range of Network Video Recorders with Full HD 1080p local display capability and recording benchmark of up to 6 Megapixel. The VN8064 Pro ensures unlevelled video recording quality in multiple applications on an open platform in live and also in playback. The VN8064 Pro has a standard availability of 8 Hard Disks bays allowing recording capacity of up to 48TB. Backup facility is available via the network ports through the VVMS and allows for local backups via USB.

Supported Cameras

The NVR supports all Videoteknika IP Cameras and is fully compatible with our Videoteknika's VVMS Software. It functions on an open platform policy allowing for various 3rd party IP camera integration. 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 NVR allows for dual streaming with the mainstream supporting up to 6MP of recording resolution.

Storage Features

The NVR allows for individual channel recording allocation ensuring the right data capacity is assigned through the relative camera depending on its streaming resolution. Instant playback is also possible via the Videoteknika reverse instant playback capability which is unique to Videoteknika NVRs. Digital zooming while live or playback is standard with any high resolution recording camera.

Supported Software

The NVR is supported by the Videoteknika VVMS-*Xpert*[™] VMS. The VVMS-*Xpert*[™] VMS is a modular Video Management Software dedicated for Videoteknika IP cameras expandable up to 1024 Channels per server. A 64 Ch version VVMS-*Advanced*[™] is supplied as a free bundled software with all Videoteknika IP Cameras. VVMS-*Mobile*[™] is also available on Iphone and Android applications. Videoteknika IP cameras are supported by various leading software development VMS partners.

RAID Redundancy

The VN8064 Pro supports RAID 0 allowing for combined writing speed of multiple hard drives enabling enhanced read-write speed of IP CCTV footage. RAID 1 allowing for mirrored storage enabling 100% redundancy. RAID 5 allowing for parity striping which will allow a redundancy based on a backup on only 1 hard drive. within a group of hard drives. RAID 10 is a combination of RAID 1 & RAID 0 into 1 RAID system allowing for multiple RAID redundancy.

Main Features

- Recording Quality up to 6MP
- Up to 64 Channels recording
- Supports RAID 0, RAID 1, RAID 5, RAID 10
- 2-Way Audio
- Up to 48 Terabytes of Hard Disk space
- 2 x 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 USB / eSATA Disks
- Network backup export via Videoteknika VVMS software
- Multiple level users – Administrator / User 1 / User 2 (programmable)
- Alarm – Cause and effect programmable
- Videoteknika – VVMS-*Advanced*[™] VMS software included
- Videoteknika – VVMS-*Mobile*[™] supported on App Store



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Specifications

NVR Model	VN8064 Pro
Features	
IP Video Input	64-Channels
Two-way Audio	1-ch, BNC (2.0 Vp-p, 1kΩ)
Recording Resolution	6MP / 5MP / 3MP / 1080P / UXGA 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 x 576 (PAL); 704 x 480 (NTSC)
HDMI Output	1-ch, resolution: 1920 x 1080P / 60Hz, 1920 x 1080P / 50Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
VGA Output	1-ch, resolution: 1920 x 1080P / 60Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
Audio Output	2-ch, BNC (Linear, 600Ω)
Playback Resolution	6MP / 5MP / 3MP / 1080P / UXGA 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Synchronous Playback	16-Channels
SATA	8 SATA interfaces
eSATA	1 eSATA interface

NVR Model	VN8064 Pro
Features (Continue)	
Capacity	Each interface supports up to 6TB capacity for recording
Disk Arrays & Type	4 (RAID 0, RAID 1, RAID 5, RAID 10)
Network Interface	2 x 10/100/1000M self-adaptive Ethernet
Incoming Bandwidth	160Mbps
Serial Interface	1 RS-232, 1 RS-485 & 1 RS-485 keyboard
USB Interface	3, USB 2.0
Alarm In	16
Alarm Out	4
Environmental	
Working Temperature	-10°C ~ +55°C
Working Humidity	10% ~ 90%
Electrical	
Power Supply	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz
Power Consumption	≤ 40W
Physical	
Dimensions (mm)	445 (W) x 470 (D) x 90 (H)
Chassis	19-inch rack-mounted 2U chassis
Weight	≤ 8 Kg (17.63 lb) (without HDD or DVD-R/W)
Regulatory Certifications	
	FCC, CE, C-TICK, UL

Technical Diagram



Rear Panel

1. Video Out
2. CVBS Audio Out, VGA Audio Out
3. Line In
4. RS-232 Serial Interface
5. VGA Interface
6. HDMI Interface
7. eSATA Interface

Rear Panel (Continue)

8. LAN Network Interfaces x 2 (LAN1, LAN2)
9. Termination Switch
10. RS-485 Serial Interface, Keyboard Interface, Alarm In, Alarm Out
11. GND
12. 100~240VAC Power Input
13. Power Switch
14. USB Interface



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Ordering Information

NVR Model	Network Video Recorder Details
VN-8032 Pro	32-Ch, Up to 6MP Rec. Quality (Depends on Storage & Bandwith Req.), Max. 48TB HDD space, Supports RAID 0, 1, 5, 10, H.264, Dual Streaming, Simultaneous HDMI, VGA (Full HD 1080p) & CVBS outputs, Local Data Export, Network Backup
VN-8064 Pro	64-Ch, Up to 6MP Rec. Quality (Depends on Storage & Bandwith Req.), Max. 48TB HDD space, Supports RAID 0, 1, 5, 10, H.264, Dual Streaming, Simultaneous HDMI, VGA (Full HD 1080p) & CVBS outputs, Local Data Export, Network Backup

Recommended Associated Products



VVMs-Advanced™	VVMs-Xpert™	VVMs-Mobile™
Video Management Software	Video Management Software	Mobile Application
64 Channel	1024 Channel	
Mobile Application	Mobile Application	

Affiliations:



Partners:

