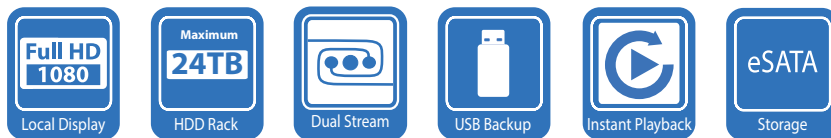


IP Video Surveillance

VN4016

Network Video Recorder



Overview

VIDEOTEKNIKA 4000 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 VN4016 ensures unlevelled video recording quality in multiple applications on an open platform in live and also in playback. The VN4016 has a standard availability of 4 Hard Disks bays allowing recording capacity of up to 24TB. 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.

Main Features

- Recording Quality up to 6MP
- 2-Way Audio
- Up to 24 Terabytes of Hard Disk space
- Self Adaptive 10m/100m/1000m network interface
- H.264+ & 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
- Privacy Masking
- Videoteknika – VVMS-*Advanced*™ VMS software included
- Videoteknika – VVMS-*Mobile*™ supported on App Store



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Specifications

NVR Model	VN4016
Features	
IP Video Input	16-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	4 SATA interfaces
eSATA	1 eSATA interface

NVR Model	VN4016
Features (Continue)	
Capacity	Each interface supports up to 6TB capacity for recording
Network Interface	10/100/1000M self-adaptive RJ-45 Ethernet
Bandwidth	160Mbps Incoming / 80 Mbps Outgoing
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

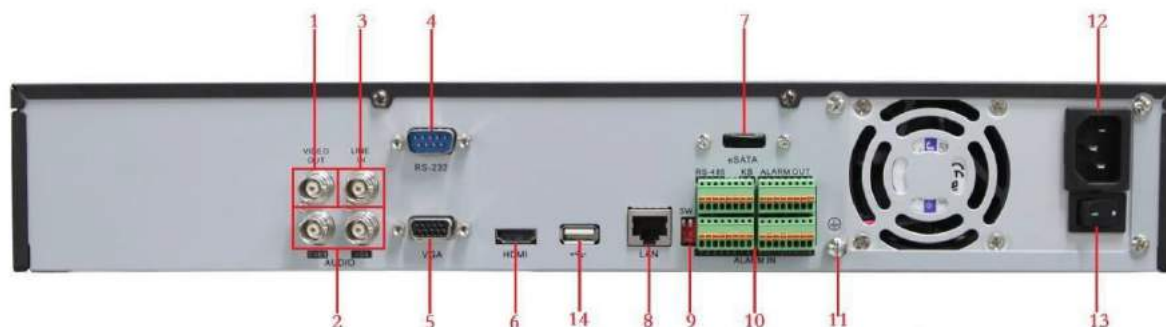
Power Supply	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz
Power Consumption	≤ 40W

Physical

Dimensions (mm)	440 (W) x 390 (D) x 70 (H)
Chassis	19-inch rack-mounted 1.5U chassis
Weight	≤ 4 Kg (8.81 lb) (without HDD or DVD-R/W)

Regulatory Certifications	FCC, CE, C-TICK, UL
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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 Interface
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



Ordering Information

NVR Model	Network Video Recorder Details
VN4016	16-Ch, D1 to 6MP Recording Quality (Depending on Storage & Bandwith Requirements), Up to Max. 24TB of HDD space, H.264+, Dual Streaming, Simultaneous HDMI, VGA (Full HD 1080p) & CVBS outputs, Backups.
VN4032	32-Ch, D1 to 6MP Recording Quality (Depending on Storage & Bandwith Requirements), Up to Max. 24TB of HDD space, H.264+, Dual Streaming, Simultaneous HDMI, VGA (Full HD 1080p) & CVBS outputs, Backups.

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:

