IP Video Surveillance
VN4016−P
Network Video Recorder

◇◇ VIDEOTEKNIKA

Full HD 1080	**Maximum 24TB**				**eSATA**	**PoE**
Local Display	HDD Rack	Dual Stream	USB Backup	Instant Playback	Storage	PoE Interfaces

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 5 Megapixel. The VN4016−P ensures unleveled video recording quality in multiple applications on an open platform in live and also in playback. The VN4016−P 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. This NVR comes with 16 independent PoE network interfaces.

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 5MP of record−ing 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 5MP
- 2−Way Audio
- Up to 24 Terabytes of Hard Disk space
- 16 independent PoE (10/100 Mbps) network interfaces
- 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
- Privacy Masking
- Videoteknika − VVMS−Advanced™ VMS software included
- Videoteknika − VVMS−Mobile™ supported on App Store

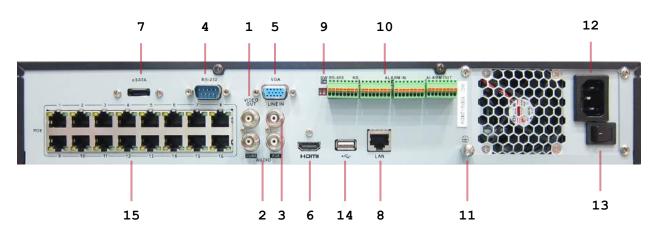**◇◇** VIDEOTEKNIKA SRL – SANSEPOLCRO (AR) VIA DEL PETRETO 4 CAP 52037
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Specifications

NVR Model	VN4016-P
Features	
IP Video Input	16-Channels
Two-way Audio	1-ch, BNC (2.0 Vp-p, 1kΩ)
Recording Resolution	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	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-P
Features (Continue)	
PoE Interfaces	16 x (10/100 Mbps) PoE Ethernet interfaces
Capacity	Each interface supports up to 6TB capacity for recording
Network Interface	10/100/1000M self-adaptive RJ-45 Ethernet
Bandwidth	160 Mbps 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

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
15. Network Interfaces with PoE function

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Ordering Information

NVR Model	Network Video Recorder Details
VN4016-P	16-Ch, D1 to 5MP Recording Quality (Depending on Storage & Bandwith Requirements), Up to Max. 24TB of HDD space,
	H.264, Dual Stream, Simultaneous HDMI, VGA (Full HD 1080p) & CVBS outputs, Backups, 16 x PoE Network Interfaces.
VN4032-P	32-Ch, D1 to 5MP Recording Quality (Depending on Storage & Bandwith Requirements), Up to Max. 24TB of HDD space,
	H.264, Dual Stream, Simultaneous HDMI, VGA (Full HD 1080p) & CVBS outputs, Backups, 16 x PoE Network Interfaces.

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:

ONVIF
Open Network
Interface Forum

PSIA
Physical Security
Interportability

Partners:

milestone
Authorized Partner

MIRASYS

Luxriot

Genetec

See Tec
Software for Video Security

Digifort
IP Surveillance System

axxon
Video Surveillance and Security Solutions

exacq
Technologies