

# IP Video Surveillance

## VN4016-K4/16P

### 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 8 Megapixel. The VN4016-K4/16P ensures unlevelled video recording quality in multiple applications on an open platform in live and also in playback. The VN4016-K4/16P 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 8MP 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 8MP
- 2-Way Audio
- Up to 24 Terabytes of Hard Disk space
- 16 independent PoE (10/100 Mbps) network interfaces
- H.265/H.264+/H.264/MPEG4 video compression
- Simultaneous HDMI & VGA outputs
- HDMI 4K (3840 X 2160) resolution
- VGA (Full HD 1080p) output
- Local Data Export via USB
- Network backup export via Videoteknika VVMS software
- Alarm – Cause and effect programmable
- ANR technology to enhance the storage
- Videoteknika – VVMS-*Advanced*™ VMS software included
- Videoteknika – VVMS-*Mobile*™ supported on App Store



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## Specifications

NVR Model	VN4016-K4/16P
<b>Features</b>	
IP Video Input	16-Channels
Two-way Audio	1-ch, RCA (2.0 Vp-p, 1kΩ)
Recording Resolution	8MP / 6MP / 5MP / 3MP / 1080P / UXGA 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
HDMI Output	4K (3840 x 2160) / 60Hz, 4K (3840 x 2160) / 30Hz, 1920 x 1080p / 60Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
VGA Output	1920 x 1080p / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Playback Resolution	8MP / 6MP / 5MP / 3MP / 1080P / UXGA 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Synchronous Playback	16-Channels
SATA	4 SATA interfaces
eSATA	1 eSATA interface
Capacity	Each interface supports up to 6TB capacity for recording
Interface	16 independent PoE (10/100 Mbps) network interfaces
Incoming Bandwidth	160Mbps

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<b>Features (Continue)</b>	
Serial Interface	1 RS-232, 1 RS-485 & 1 RS-485 keyboard
USB Interface	3 x USB
Alarm In	16
Alarm Out	4
Remote connection	128

### Environmental

Working Temperature	-10°C ~ +55°C
Working Humidity	10% ~ 90%

### Electrical

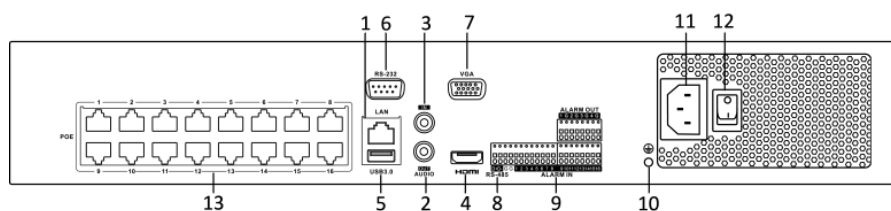
Power Supply	100 to 240 VAC
Power Consumption	≤ 20W

### Physical

Dimensions (mm)	445 (W) x 390 (D) x 70 (H)
Chassis	19-inch rack-mounted 1.5U chassis
Weight	≤ 5 Kg (8.81 lb) (without HDD or DVD-R/W)

<b>Regulatory Certifications</b>	FCC, CE, C-TICK, UL
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## Technical Diagram



### Rear Panel

1. LAN Network Interfaces
2. AUDIO OUT
3. AUDIO IN
4. HDMI Interface
5. USB 3.0 Interface
6. RS-232 Serial Interface
7. VGA Interface

### Rear Panel (Continue)

8. RS-485 Serial Interface
9. ALARM IN and ALARM OUT
10. GND
11. 100~240VAC Power Input
12. Power Switch



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**Ordering Information**

NVR Model	Network Video Recorder Details
<b>VN4016-K4/16P</b>	16-Ch, D1 to 8MP Recording Quality (Depending on Storage & Bandwith Requirements), Up to Max. 24TB of HDD space, H.265 / H.264+, Dual Stream, Simultaneous HDMI, VGA (Full HD 1080p) outputs, Backups, 2 X RJ-45 Ethernet

**Recommended Associated Products**



<b>VVMS-Advanced™</b>	<b>VVMS-Xpert™</b>	<b>VVMS-Mobile™</b>
Video Management Software	Video Management Software	Mobile Application
64 Channel	1024 Channel	
Mobile Application	Mobile Application	

**Affiliations:**



**Partners:**

