

# IP Video Surveillance

## VN1004-4P

### Network Video Recorder



## Overview

VIDEOTEKNIKA 1000 Series is a reliable range of Network Video Recorders with Full HD 1080p local display capability and recording benchmark of up to 5 Megapixel. The VN1004-4P ensures unlevelled video recording quality in multiple applications on an open platform in live and also in playback. The VN1004-4P has a standard availability of 1 Hard Disks bays allowing recording capacity of up to 4TB. Backup facility is available via the network ports through the VVMS and allows for local backups via USB. This NVR comes with 4 independent PoE network interfaces.

## Supported Cameras

The VN1004-4P supports all Videoteknika IP Cameras and is fully compatible with our Videoteknika's VVMS Software. The VN1004-4P 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 recording resolution.

## Storage Features

The VN1004-4P 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*<sup>™</sup> VMS. The VVMS-*Xpert*<sup>™</sup> 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*<sup>™</sup> is supplied as a free bundled software with all Videoteknika IP Cameras. VVMS-*Mobile*<sup>™</sup> 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 4 Terabytes of Hard Disk space
- 4 independent PoE (10/100 Mbps) network interfaces
- Self Adaptive 10m/100m network interface
- H.264 video compression
- Dual Simultaneous Streaming
- Simultaneous HDMI & VGA outputs
- HDMI & VGA (Full HD 1080p) output
- Local Data Export via USB
- Network backup export via Videoteknika VVMS software
- Multiple level users – Administrator / User 1 / User 2 (programmable)
- Videoteknika – VVMS-*Advanced*<sup>™</sup> VMS software included
- Videoteknika – VVMS-*Mobile*<sup>™</sup> supported on App Store



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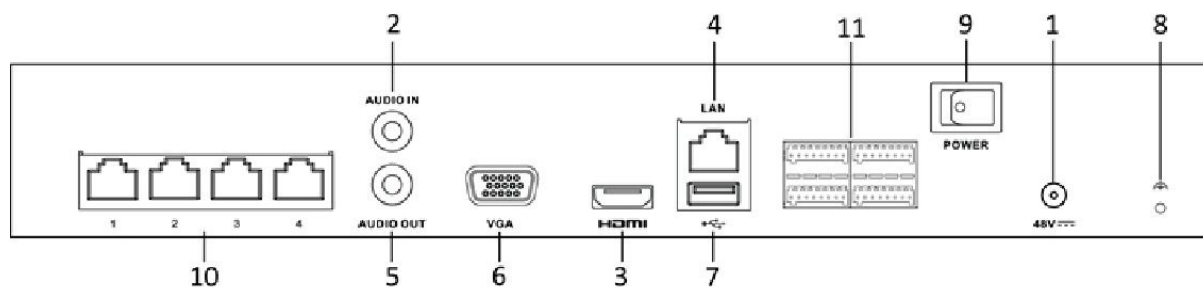


## Specifications

NVR Model	VN1004-4P
<b>Features</b>	
IP Video Input	4-Channels
Two-way Audio	1-ch, RCA (2.0 Vp-p, 1kΩ)
Recording Resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
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	1-ch, RCA (Linear, 1kΩ)
Playback Resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Decoding Capability	4-ch @1080P
Frame Rates	50 fps / 60 fps (Dual Stream)
SATA	1 SATA interfaces
Capacity	Each interface supports up to 4TB capacity for recording

NVR Model	VN1004-4P
<b>Features (Continue)</b>	
Network Interface	1 x RJ-45 (10 / 100 Mbps self-adaptive) Ethernet interface
Serial Interface	1 RS-485 half-duplex interface
PoE Interfaces	4 x (10/100 Mbps) PoE Ethernet interfaces
Alarm I/O	4 Input / 1 Output
USB Interface	1 x USB 2.0 ; 1 x USB 3.0
Bandwidth	25Mbps Incoming / 80 Mbps Outgoing
<b>Environmental</b>	
Working Temperature	-10°C ~ +55°C
Working Humidity	10 % ~ 90 %
<b>Electrical</b>	
Power Supply	DC 48V
Power Consumption	≤ 10W
<b>Physical</b>	
Dimensions (mm)	317 (W) x 232 (D) x 45 (H)
Chassis	1U chassis
Weight	≤ 1 Kg (without HDD)
<b>Regulatory Certifications</b>	FCC, CE, C-TICK, UL

## Technical Diagram



### Rear Panel

1. Power Supply
2. Audio In
3. HDMI Interface
4. LAN Network Interface
5. Audio Out
6. VGA Interface

### Rear Panel (Continue)

7. USD Interface
8. Ground
9. Power Switch
10. Network Interfaces with PoE Function
11. Alarm Input/Output



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**Ordering Information**

NVR Model	Network Video Recorder Details
<b>VN-1004-4P</b>	4-Ch, Up to 5MP Recording Quality (Depending on Storage & Bandwith Requirements), Up to Max. 4TB of HDD space, 4 x PoE Network Interfaces, H.264, Dual Streaming, Simultaneous HDMI & VGA (Full HD 1080p) 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:**

