

IP Video Surveillance

VN4016-K4

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 ensures unrivaled video recording quality in multiple applications on an open platform in live and also in playback. The VN4016-K4 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 12MP 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
- 2X Self Adaptive 10m/100m/1000m network interface
- 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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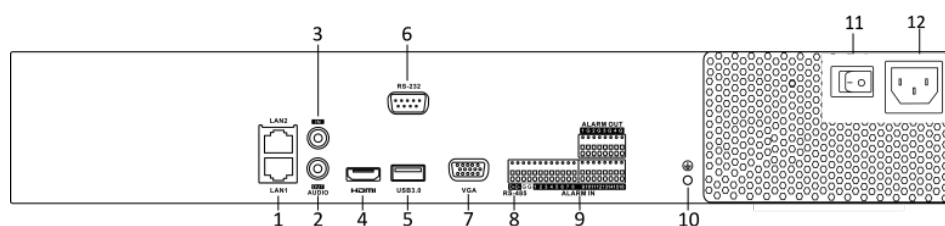
Specifications

| NVR Model | VN4016-K4 |
|----------------------|--|
| Features | |
| 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 |
| Network Interface | 2X10/100/1000M self-adaptive RJ-45 Ethernet |
| Incoming Bandwidth | 160Mbps |

| NVR Model | VN4016-K4 |
|----------------------------|--|
| Features (Continue) | |
| 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) |
| Regulatory Certifications | |
| | FCC, CE, C-TICK, UL |

Technical Diagram



Rear Panel

1. LAN1 and LAN2 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 |
|------------------|---|
| VN4016-K4 | 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



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

Affiliations:



Partners:

