

# IP Video Surveillance

## VN2016

### Network Video Recorder



## Overview

VIDEOTEKNIKA 2000 Series is a reliable range of Network Video Recorders with Full HD 1080p local display capability and recording benchmark of up to 6 Megapixel. The VN2016 ensures unlevelled video recording quality in multiple applications on an open platform in live and also in playback. The VN2016 has a standard availability of 2 Hard Disks bays allowing recording capacity of up to 12TB. Backup facility is available via the network ports through the VVMS and allows for local backups via USB.

## Supported Cameras

The VN2016 supports all Videoteknika IP Cameras and is fully compatible with our Videoteknika's VVMS Software. The VN2016 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 VN2016 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 6MP
- 2-Way Audio
- Up to 12 Terabytes of Hard Disk space
- Self Adaptive 10m/100m/1000m 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)
- Privacy Masking
- Videoteknika – VVMS-*Advanced*<sup>™</sup> VMS software included
- Videoteknika – VVMS-*Mobile*<sup>™</sup> supported on App Store



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#### Specifications

NVR Model	VN2016
<b>Features</b>	
IP Video Input	16-Channels
Two-way Audio	1-ch, BNC (2.0Vp-p, 1kΩ)
Recording Resolution	6MP /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, BNC (Linear, 600Ω)
Playback Resolution	6MP /5MP /3MP /1080P /UXGA / 720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF
Synchronous Playback	16-Channels
SATA	2 SATA interfaces
Capacity	Each interface supports up to 6TB capacity for recording

NVR Model	VN2016
<b>Features (Continue)</b>	
Network Interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface
Serial Interface	1 RS-232, 1 RS-485 & 1 RS-485 keyboard
USB Interface	2, USB 2.0
Incoming Bandwidth	80 Mbps

#### Environmental

Working Temperature	-10°C ~ +55°C
Working Humidity	10 % ~ 90 %
Electrical	
<b>Power Supply</b>	DC12V
Power Consumption	≤ 13W
<b>Physical</b>	
Dimensions (mm)	445 (W) x 261 (D) x 70 (H)
Chassis	19-inch rack-mounted 1.5U chassis
Weight	≤ 6 Kg (13.09 lb) (without HDD or DVD-R/W)
<b>Regulatory Certifications</b>	FCC, CE, C-TICK, UL

#### Technical Diagram



#### Rear Panel

1. USB Interface
2. HDMI Interface
3. VGA Interface
4. Audio Out
5. Audio In

#### Rear Panel (Continue)

6. LAN Network Interface
7. RS-485 Serial Interface
8. DC12V
9. Power Switch



**Ordering Information**

NVR Model	Network Video Recorder Details
VN2008	8-Ch, D1 to 6MP Recording Quality (Depending on Storage & Bandwith Requirements), Up to Max. 12TB of HDD space, H.264, Dual Streaming, Simultaneous HDMI & VGA (Full HD 1080p) outputs, Local Data Export, Network Backup
<b>VN2016</b>	16-Ch, D1 to 6MP Recording Quality (Depending on Storage & Bandwith Requirements), Up to Max. 12TB of HDD space, H.264, Dual Streaming, Simultaneous HDMI & VGA (Full HD 1080p) outputs, Local Data Export, Network Backup

**Recommended Associated Products**



VVMs- <i>Advanced</i> <sup>TM</sup>	VVMs- <i>Xpert</i> <sup>TM</sup>	VVMs- <i>Mobile</i> <sup>TM</sup>
Video Management Software	Video Management Software	Mobile Application
64 Channel	1024 Channel	
Mobile Application	Mobile Application	

**Affiliations:**



**Partners:**

