TruVision® NVR 21

8/16 IP Channel Network Video Recorder

H.264 COMPRESSION · MPEG-4 · AUTO DISCOVERY · SMART BANDWIDTH · ezDDNS · AUDIO

3 modes RECORDING · 8TB HDD STORAGE · RAID STORAGE · truVision NAVIGATOR · MOBILE · 3 year WARRANTY · ONVIF · PSIA

OVERVIEW

The TruVision NVR 21 (TVN 21) from Interlogix is a high-performance network video recorder designed to support video streams from IP cameras. With a total of 80/160 Mbps of total bandwidth available, the TVN 21 can support up to 16 cameras at HD resolution in real-time (30fps) and many other configurations.* Flexible bandwidth allocation per channel allows users to maximize recording performance. In addition, the TVN 21 has familiar front panel controls that allow for easy operation, as well as browser, software and mobile device management tools.

IP camera support includes resolutions ranging from standard VGA to 5.0 megapixel, including Interlogix® and third-party IP camera manufacturers.** The TVN 21 also supports TruVision encoders for integrating existing analog cameras. Up to four internal hard disk drives may be configured for a total internal hard drive capacity of 2TB-8TB, making the TVN 21 ideal for extended storage or megapixel camera applications.

Recording options include continuous, motion, and alarm or combined scheduled recording modes. Motion recording utilizes an IP camera's built-in motion detection events, and alarms can be triggered from any of the 16 on-board alarm inputs or from alarm inputs that reside on the IP camera.

Software connectivity allows remote access to the recorder's full capabilities via Web browser or TruVision Navigator. TruVision Mobile also allows for remote device access. Configuration is quick and easy through startup wizards, IP device auto-discovery tools and ezDDNS service.

*Reference table on page 2.
**Support from third-party IP cameras may vary.*

STANDARD FEATURES

Camera Support
- TruVision IP cameras from VGA ~ 5MPx
- TruVision single and multi-port encoders
- ONVIF Profile S support for 3rd-party camera integration
- RTSP Stream capability

Recording Capabilities
- Up to 8/16 HD cameras in real-time (30fps)
- 80/160Mbps for incoming streams
- Continuous, motion, event or scheduled recording modes
- Audio recording with capable IP cameras
- Text insertion via ProBridge for ATM/POS
- Watermarking for legal video authentication
- Up to 8TB of storage with front accessible hard disk storage
- RAID 0,1,5,10 support
- External hard drive (eSATA) support
- Local USB archiving

Installation and Operation
- Rack mountable – 1.5 RU
- Intuitive and logical user interface
- ezDDNS

Local or Remote Control and Monitoring
- Triple monitor support – HDMI, VGA and analog
- 16 on-board alarm inputs and 4 configurable alarm outputs
- PTZ and dome camera control via mouse, front panel, IR remote or optional keypad
- Compatibility with TruVision Navigator and mobile app software
- Mac® Safari® browser plug-in

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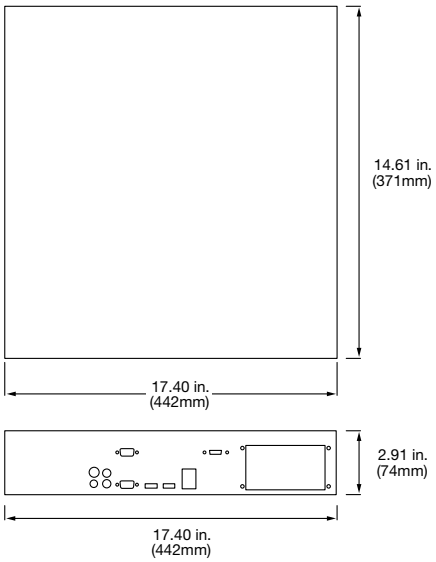
Specifications

Model		TVN-2108	TVN-2116
Video/ Audio Input	IP Video Input	8-ch	16-ch
	Bi-directional Audio	1-ch, RCA (2.0 Vp-p, 1kΩ)	
Video/ Audio Output	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 × 576 (PAL); 704 × 480 (NTSC)	
	HDMI Output	1-ch, resolution: 1920 × 1080P /60Hz, 1920×1080P /50Hz, 1600 × 1200/60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz	
	VGA Output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz	
	Audio Output	2-ch, RCA (Linear, 600Ω)	
	Playback Resolution	5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF	
	Synchronous Playback	8-ch	16-ch
Hard Disk	RAID	0,1,5,10	
	SATA	4 SATA interfaces	
	eSATA	1 eSATA interface	
	Capacity	2TB capacity for each HDD	
External Interface	Network Interface	2 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interfaces	
	Serial Interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel); 1 RS-485 interface (reserved)	
	USB Interface	3 × USB 2.0	
	Alarm Interface	16 Alarm In, 4 Alarm Out	
General	Power Supply	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz	
	Consumption (without hard disk or DVD-R/W)	≤ 45 W	
	Working Temperature	-10° C ~+55° C (14° F~131° F)	
	Working Humidity	10% ~ 90%	
	Chassis	19-inch rack-mounted 1.5U chassis	
	Dimensions (W x D x H)	17.40 × 14.61 × 2.91 in. (442 × 371 × 74mm)	
	Weight (without hard disk or DVD-R/W)	≤ 8 Kg (17.64 lb)	

Dimensional Diagram



Typical camera capacity configurations 8 Channels

Recording Resolution	Recording Frame Rate	Maximum Number of Interlogix IP Cameras	Recommended Days of Storage		
			10 Days	20 Days	30 Days
4CIF	15 fps	8	2TB	2TB	4TB
4CIF	25/30 fps	8	2TB	4TB	6TB
1.3 Mpx	10 fps	8	2TB	4TB	4TB
1.3 Mpx	16 fps	8	2TB	4TB	6TB
1.3 Mpx	25/30 fps	6	6TB		
2 Mpx	4 fps	8	2TB	4TB	6TB
2 Mpx	10 fps	8	4TB	8TB	
2 Mpx	25/30 fps	4	8TB		
3 Mpx	4 fps	8	4TB	8TB	
3 Mpx	12 fps	4	8TB		
5 Mpx	4 fps	7	6TB		
5 Mpx	6 fps	5	8TB		

Note: This is an indication only; results depend on cameras used, lighting conditions, scene complexity and activity.

Typical camera capacity configurations 16 Channels

Recording Resolution	Recording Frame Rate	Maximum Number of Interlogix IP Cameras	Recommended Days of Storage		
			10 Days	20 Days	30 Days
4CIF	15 fps	16	2TB	4TB	6TB
4CIF	25/30 fps	16	4TB	8TB	
1.3 Mpx	10 fps	16	4TB	6TB	8TB
1.3 Mpx	16 fps	16	4TB	8TB	
1.3 Mpx	25/30 fps	10	8TB		
2 Mpx	4 fps	16	4TB	8TB	
2 Mpx	10 fps	16	8TB		
2 Mpx	25/30 fps	8	8TB		
3 Mpx	4 fps	16	8TB		
3 Mpx	12 fps	10	8TB		
5 Mpx	4 fps	12	8TB		
5 Mpx	6 fps	10	8TB		

Note: This is an indication only; results depend on cameras used, lighting conditions, scene complexity and activity.

Ordering Information

TVN-2108-2T	TruVision NVR 21, 8 channels, 2TB Storage
TVN-2108-4T	TruVision NVR 21, 8 channels, 4TB Storage
TVN-2108-8T	TruVision NVR 21, 8 channels, 8TB Storage
TVN-2116-2T	TruVision NVR 21, 16 channels, 2TB Storage
TVN-2116-4T	TruVision NVR 21, 16 channels, 4TB Storage
TVN-2116-8T	TruVision NVR 21, 16 channels, 8TB Storage

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