NVR 10

4/8/16 Channel H.264 PoE Network Video Recorder

H.264 COMPRESSION · PoE · 6TB HDD STORAGE · PLUG & PLAY · IR REMOTE · 3 modes RECORDING

AUDIO · AUTO DISCOVERY · START-UP WIZARD · ezDDNS · truVision NAVIGATOR · MOBILE · ONVIF · PSIA

OVERVIEW

The TruVision® NVR 10 (TVN 10) is a cost effective, network video recorder with up to 8 built-in PoE ports designed to support video streams from IP video cameras. With a total of 20/40/80Mbps of total bandwidth available, the NVR 10 can support up to 16 cameras at HD resolution in real-time (25fps) and many other configurations.* Flexible bandwidth allocation per channel allows users to maximize recording performance. In addition to browser, software and mobile device management tools, the familiar front panel controls allow for easy operation. On-board PoE ports support up to 120 watts for ease of installation.

IP camera support includes resolutions ranging from standard VGA to 5.0 megapixel, including Interlogix and third-party IP camera manufacturers.** The NVR 10 also supports TruVision encoders for integrating existing analogue cameras. Up to two internal hard disk drives may be configured for a total internal hard drive capacity of 2TB-6TB, making the NVR 10 ideal for 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 four 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, TruVision Navigator or TruVision TVRMobile HD. TruVision TVRMobile HD 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

- Up to 4/8/16 HD cameras (ONVIF/PSIA) in real-time (25fps)
- TruVision and UltraView® IP cameras from VGA through 5.0 megapixel (indoor and outdoor)
- TruVision 4, 8 and 16-channel encoders
- PTZ and dome camera control via mouse, front panel and IR remote control

Recording Capabilities

- Up to 8 built-in PoE ports
- Plug-and-play camera installation
- Continuous, motion or scheduled recording modes
- Event recording
- Fully compatible with TruVision Navigator software
- Audio recording with capable IP cameras
- Redundant camera recording or independent storage groups for different durations
- Reverse playback
- Digital zoom on live and recorded video
- Text insertion via ProBridge for ATM/POS
- Watermarking for legal video authentication
- ezDDNS
- Mobile apps allow you to connect remotely via smartphone or tablet to keep an eye on facilities, people or valuables
- Start up Wizards for quick and easy installation
- 20/40/80Mbps for incoming streams
- Up to 6TB of storage
- Familiar, user-friendly interface
- Sub stream for low bandwidth live viewing

Hardware

- Rack mountable – 1.5 RU (CS model is not rack mountable)
- Local USB archiving
- VGA and HDMI output for high-quality local viewing

Specifications

Model		TVN-1004CS	TVN-1008S	TVN-1016S
Video/ Audio Input	IP Video Input	4-channel	8-channel	16-channel
	Bi-directional Audio	1-channel, RCA (2.0 Vp-p, 1kΩ)		
	Total Bandwidth	20Mbps	40Mbps	80Mbps
Video/ Audio Output	Recording Resolution	5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF		
	HDMI/VGA Outputs	Full HD 1080p, SXGA, HD 720p, UXGA, XGA		
	Bidirectional Audio	1-channel, RCA (Linear, 600Ω)		
	Playback Resolution	5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF		
	Synchronous Playback	4-channel	8-channel	16-channel
Hard Disk	SATA	(2) SATA interfaces		
	Capacity	2TB-6TB		
External Interface	Network Interface	(1) RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interfaces		
	USB Interface	(2) USB 2.0		
	Alarm In	4		
	Alarm Out	1		
General	Power Supply	DC48V	100~240VAC, 50~60Hz	
	Consumption (without hard disk)	≤ 65 W	≤ 180 W	
	Working Temperature	-10ºC ~+55ºC (14ºF~131ºF)		
	Working Humidity	10%~90%		
	Chassis	1U	1.5U	
	Dimensions (W x D x H)	12.40 x 8.77 x 1.75 in. (315 x 222.8 x 44.5mm)	14.25 x 13.0 x 3.07 in. (362 x 330 x 78mm)	
	Weight (without hard disk)	≤ 8 Kg (17.64 lb)		
	Rack Mount	Included (CS model is not rack mountable)		

Typical Camera Capacity Configurations
TVN-1004CS

4-Channel Models			
Resolution	Frame Rate	Cameras	Days of Storage
			2TB
HD (1280x720)	12/15	4	16
	25/30	4	8
Full HD (1920x1080)	12/15	4	10
	25/30	2	10
5 MPX (2560x1920)	8	2	10

Typical Camera Capacity Configurations
TVN-1008S

8-Channel Models				
Resolution	Frame Rate	Cameras	Days of Storage	
			2TB	4TB
HD (1280x720)	12/15	8	8	16
	25/30	8	6	12
Full HD (1920x1080)	12/15	8	6	12
	25/30	4	5	10
5 MPX (2560x1920)	8	5	5	9
	20	2	6	12

Typical Camera Capacity Configurations
TVN-1016S

16-Channel Models				
Resolution	Frame Rate	Cameras	Days of Storage	
			3TB	6TB
HD (1280x720)	12/15	16	6	12
	25/30	16	5	9
Full HD (1920x1080)	12/15	16	5	9
	25/30	8	4	8
5 MPX (2560x1920)	8	10	4	7
	20	4	5	9

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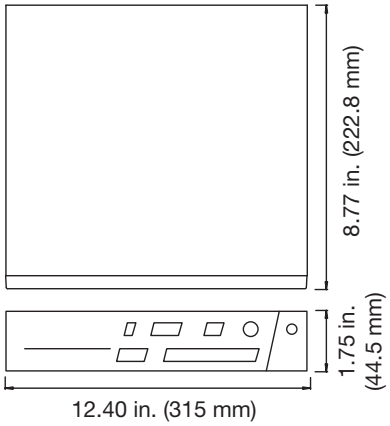
Ordering Information

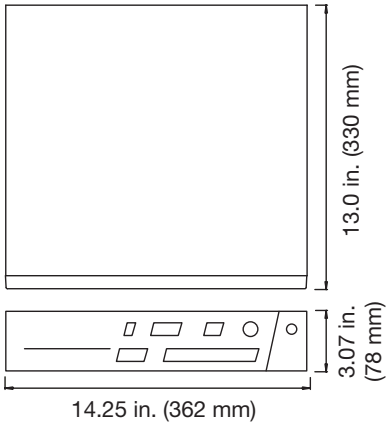
TVN-1004CS-2T	TruVision NVR 10 Compact, 4-Channels, H.264 ONVIF/PSIA, PoE Switch, 20Mbps Bandwidth, 2TB Storage
TVN-1008S-2T	TruVision NVR 10, 8-Channels, H.264 ONVIF/PSIA, PoE Switch, 40Mbps Bandwidth, 2TB Storage
TVN-1008S-4T	TruVision NVR 10, 8-Channels, H.264 ONVIF/PSIA, PoE Switch, 40Mbps Bandwidth, 4TB Storage
TVN-1016S-3T	TruVision NVR 10, 16-Channels, H.264 ONVIF/PSIA, PoE Switch, 80Mbps Bandwidth, 3TB Storage
TVN-1016S-6T	TruVision NVR 10, 16-Channels, H.264 ONVIF/PSIA, PoE Switch, 80Mbps Bandwidth, 6TB Storage

Dimensional Diagram

TVN-1004CS



TVN-1008S, TVN-1016S



Specifications subject to change without notice.

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