



## Product Data Sheet

# TVN 20

## 8/16 IP Channel Network Video Recorder

### Overview

The TruVision™ NVR 20 (TVN 20) is a network video recorder designed exclusively for supporting video streams from IP video cameras.

### IP camera support

IP camera support includes resolutions from VGA/4CIF to 5 Megapixel from Interlogix and third party IP camera manufacturers. Enhanced flexibility includes support for the Interlogix UltraView™ Encoder 10 for integrating existing analog cameras. Up to 8 or 16 video inputs may be configured depending on the TVN 20 model.

### Storage & alarms

Outstanding internal hard drive capacity from 2TB-16TB distinguishes the TVN 20 as an ideal choice for network storage and megapixel camera applications. Additionally, hard drives may be configured to provide redundant recording for any number of the connected cameras.

Recording options include continuous, motion, and alarm or combined scheduled recording modes.

Motion recording utilizes IP camera's built-in motion detection events. Alarms can be triggered from any of the 16 on-board alarm inputs or from alarm inputs that reside on the IP camera.

### Network Connectivity & Management

Network connectivity allows remote access to the full capabilities of the recorder. This can be achieved via web browser or TruVision Navigator. TruVision Navigator software manages both IP and analog video solutions from Interlogix encompassing the new as well as legacy TruVision NVRs and DVRs. The TVN 20 is efficient to configure through IP device auto-discovery tools.



### Standard Features

- Up to 8 or 16 IP cameras based upon model
- UltraView IP, TruVision 1.3 and 2.0 megapixel, and CamPlus 2 IP camera support
- Supports UltraView Encoder 10 Single Channel H.264 Encoder
- Various models of H.264 Axis, Arecont, ACTi and other IP camera manufacturers (VGA and Megapixel)
- Continuous, motion or scheduled recording modes
- Event recording based upon native IP camera activity detection or via unit alarm input
- Video is stored in the native IP camera format (no transcoding)
- Audio recording with capable IP cameras
- Redundant recording per camera or per hard drive group
- Compact rack mountable – 2 U
- Up to 16TB of internal storage front accessible drives
- GB Ethernet connectivity
- 16 on-board alarm inputs and 4 configurable alarm outputs
- Local USB archiving
- IP Camera auto-discovery support
- Configuration and viewing via TVN 20 browser or TruVision Navigator software
- No IP camera licensing

# TVN 20

## 8/16 IP Channel Network Video Recorder

### Specifications

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#### Physical

- Dimensions (W x H x D) 450mm x 450mm x 95mm
- Weight 8-Ch 2TB: 21.98lbs (9.97kgs); 8-Ch 8TB: 26.61lbs (12.07kgs)  
16-Ch 4TB: 23.52lbs (10.67kgs); 16-Ch 16TB: 32.78lbs (14.87kgs)
- Input Voltage 100-240VAC, 6.3A, 50-60Hz
- Power Consumption 8-Ch 2TB (8-IP Cameras) to 16-Ch 16TB (16 IP Cameras):  
29.07W to 57.67W
- Operating Temperature 32°-104°F (0°-40°C)  
10-90% Humidity (non-condensing)
- Hard Drives 8-Ch: 1, 2, 4 HDD SATA @ 2TB per drive  
16-Ch: 2, 4, 8 HDD SATA @ 2TB per drive
- Mounting Rack Mount 19 - 2U (rack mount ears included)

#### Network & Connectors

- Type 10/100/1000 Base-T, RJ-45
- Protocol TCP, IP, UDP, ARP, RARP, PPP, PPPoE, DHCP, SNMP
- Alarm Input 16 programmable NO/NC (Rear)
- Alarm Output 4 Form C Relay (Rear)
- USB USB 2+, (2) Unit Front – for local archive-off
- eSATA Future Use (Rear)
- RS-232 RJ-45 (Troubleshooting Only)
- RS-485 Future Use (Rear)
- Audio No Connectors – from IP Camera (record only, if supported)

#### Video & Record Parameters

- # of Channels 8 or 16-Channel (based upon model)
- Supported IP Compression H.264, MPEG4 (depending on supported IP camera models)
- Supported Resolutions 4CIF, VGA, SVGA, XGA, SXGA, UXGA, QXGA (depending on supported IP camera model)
- Recording Modes Continuous, Motion Activated or Scheduled (Motion activated recording based upon internal IP camera activity detection for supported models)

#### Miscellaneous

- NVR 20 Operating System Linux
- Health Monitoring Various conditions including: HDD Fault/Failure, IP Address Conflicts, IP Camera Off-Line Notification, HDD Read/Write Failures, Network Fault
- User Rights 3-Levels: Administrator, Operator, Guest

#### Remote Browser PC Requirements

- Processor Intel E6550 Dual Core 2.33 Ghz, 4MB Cache (Minimum); Intel I5 750 Quad Core 2.66 Ghz, 8MB Cache (Recommended)
- Memory 1GB RAM (Minimum)  
4GB RAM (Recommended)
- Graphics Card HD Video with 256 MB  
HD Video with 1GB
- Operating System Windows 2000, Windows XP, Windows Vista

### Diagram

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### Ordering Information

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TVN-2008-2TE  
8-Channel IP Camera Network Video Recorder, 2TB Storage

TVN-2008-4TE  
8-Channel IP Camera Network Video Recorder, 4TB Storage

TVN-2008-8TE  
8-Channel IP Camera Network Video Recorder, 8TB Storage

TVN-2016-4TE  
16-Channel IP Camera Network Video Recorder, 4TB Storage

TVN-2016-8TE  
16-Channel IP Camera Network Video Recorder, 8TB Storage

TVN-2016-16TE  
16-Channel IP Camera Network Video Recorder, 16TB Storage

