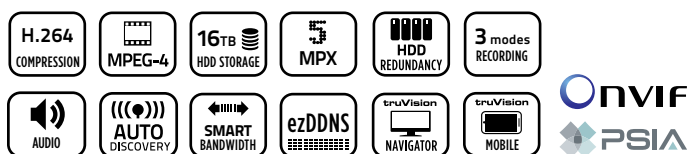


# NVR 50

## 32 IP Channel Network Video Recorder



### OVERVIEW

The TruVision® NVR 50 (TVN 50) is a high-performance network video recorder designed to support video streams from IP video cameras. With a total of 80 Mbps available, the TVN 50 can support up to 32 cameras at 4CIF in real-time (30fps) 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 NVR 50's familiar front panel controls allow for easy operation.

IP camera support includes resolutions ranging from standard VGA to 5.0 megapixel, including Interlogix and third-party IP camera manufacturers.\*\* The NVR 50 also supports TruVision encoders for integrating existing analog cameras. Up to eight internal hard disk drives may be configured for a total internal hard drive capacity of 4TB-16TB, making the TVN 50 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

- Up to 32 IP cameras (OnVIF/PSIA)
- TruVision and UltraView IP cameras from VGA through 5.0 megapixel (indoor and outdoor)
- H.264 Axis, Arecont, ACTi and other IP camera manufacturers (VGA and Megapixel)
- TruVision 4-, 8- and 16-channel encoders
- PTZ and dome camera control via mouse, front panel joystick and IR remote control

#### Recording Capabilities

- 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
- 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

#### Hardware

- Compact rack mountable – 2 RU
- Up to 16TB of plug-and-play internal, front accessible hard disk storage (hot swappable)
- Support for external hard drive (eSATA)
- 16 on-board alarm inputs and 4 configurable alarm outputs
- Local USB archiving
- Composite, VGA and HDMI output for high-quality local viewing

# NVR 50

## 32 IP Channel Network Video Recorder

North America  
T 855-286-8889

Asia  
T 852-2907-8108

Australia  
T 61-3-9239-1200

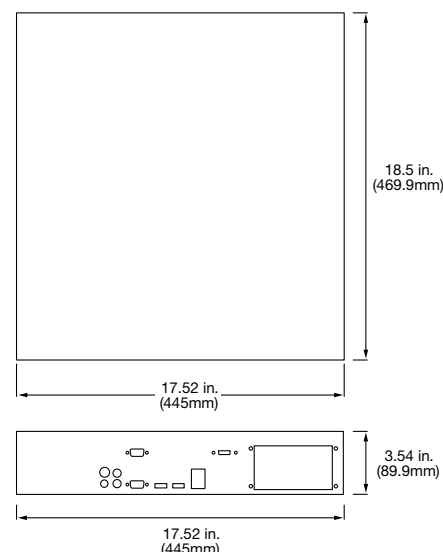
Europe  
T 32-2-725-11-20

Latin America  
T 561-998-6114

### Specifications

| Model              | TVN5032                                    |                                                                                                                                                         |
|--------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video/Audio Input  | IP Video Input                             | 32-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                       | 16-ch                                                                                                                                                   |
| Hard Disk          | SATA                                       | 8 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 (two front, one rear)                                                                                                                       |
|                    | 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 2U chassis (rack mount ears included)                                                                                              |
|                    | Dimensions (W x D x H)                     | 17.52 × 18.5 × 3.54 in. (445 × 470 × 90 mm)                                                                                                             |
|                    | Weight (without hard disk or DVD-R/W)      | ≤ 8 Kg (17.64 lb)                                                                                                                                       |
| Operations         | Local                                      | On screen display & control through front panel/ USB mouse/ IR remote                                                                                   |
|                    | Remote                                     | Built in browser interface: Windows Internet Explorer version 6, 7, 8, or 9; Mozilla Firefox version 3.5 and above; Google Chrome version 8.0 and above |
|                    | Software                                   | TruVision® Navigator 5 and above                                                                                                                        |
|                    | Language Support                           | 11 languages                                                                                                                                            |
|                    | Interlogix                                 | TruVision Line and UltraView® Series IP Cameras. Consult IP compatibility list for latest updates                                                       |
| IP Camera Support  | 3rd Party Cameras                          | Consult 3rd party IP compatibility list for latest updates                                                                                              |

### Dimensional Diagram



### Ordering Information

|                 |                                                  |
|-----------------|--------------------------------------------------|
| TVN-5032-4T     | TruVision® NVR 50, 32 channels, 4 TB storage     |
| TVN-5032-8T     | TruVision NVR 50, 32 channels, 8 TB storage      |
| TVN-5032-12T    | TruVision NVR 50, 32 channels, 12 TB storage     |
| TVN-5032-16T    | TruVision NVR 50, 32 channels, 16 TB storage     |
| TVN-20XX-HDD-2T | TruVision NVR 20, HDD Expansion Kit, 2TB Storage |

### Typical camera capacity configurations

| Recording Resolution | Recording Frame Rate | Maximum Number of Interlogix IP Cameras | Recommended Days of Storage |         |         |
|----------------------|----------------------|-----------------------------------------|-----------------------------|---------|---------|
|                      |                      |                                         | 10 Days                     | 20 Days | 30 Days |
| 4CIF                 | 15 fps               | 32                                      | 4TB                         | 8TB     | 8TB     |
| 4CIF                 | 25/30 fps            | 32                                      | 8TB                         | 16TB    |         |
| 1.3 Mpx              | 10 fps               | 32                                      | 8TB                         | 16TB    |         |
| 1.3 Mpx              | 16 fps               | 26                                      | 8TB                         | 16TB    |         |
| 1.3 Mpx              | 25/30 fps            | 13                                      | 8TB                         | 16TB    |         |
| 2 Mpx                | 4 fps                | 32                                      | 8TB                         | 16TB    |         |
| 2 Mpx                | 10 fps               | 19                                      | 8TB                         | 16TB    |         |
| 2 Mpx                | 25/30 fps            | 9                                       | 8TB                         | 16TB    |         |
| 3 Mpx                | 4 fps                | 19                                      | 8TB                         | 16TB    |         |
| 3 Mpx                | 12 fps               | 11                                      | 12TB                        |         |         |
| 5 Mpx                | 4 fps                | 15                                      | 12TB                        |         |         |
| 5 Mpx                | 6 fps                | 11                                      | 12TB                        |         |         |

Note: This is an indication only; results depend on cameras used and environment.



interlogix.com

Specifications subject to change without notice.

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