# speco technologies®

# Triplex Digital Video Recorder Family with Network/DDNS Video Server

## DVR-4TN/160*
4 Channel Triplex MPEG-4 DVR

## DVR-8TN/160*
8 Channel Triplex MPEG-4 DVR

## DVR-16TN/160*
16 Channel Triplex MPEG-4 DVR

## Features

**EZ Record:** set the number of days you want to record and the DVR takes care of the rest

**EZ Copy:** auto copy what you are playing onto a CD/RW or USB flash drive

**EZ Set-Up:** for quick Installation

- Free DDNS server for use with dynamic IP addresses
- Email notification of alarm event
- MPEG-4 high quality compression, 5~10 times smaller than MJPEG
- Triplex operation enabling simultaneously view live or playback while continuing to record & network transfer
- Remote monitoring, recording, playback, change system settings and dome camera control via Ethernet and/or Internet
- Jog shuttle for easy operation
- Real Time live display (DVR-4TN only)
- IR Remote control included
- Recording Rate: Up to 120pps
- 1 Channel in out for audio recording
- 1 Optical drive + up to 3 internal HDD
- IEEE-1394 Firewire extended storage - up to 3TB
- Built-in CD-RW or DVD+RW for video clip exporting
- USB 2.0 port for video clip exporting, supports USB thumb drive.
- Easy software upgrade via Network, USB Thumb Drive, or CD-RW
- Configurable normal and event recording frame rate & picture quality per channel or globally via EZ record

- Multiple built-in dome camera protocol (through RS485): including Pelco D, Pelco P, AD422, Fastrax, DynaColor, JVC
- Automatic camera detection (Plug & Play)
- Digital Zoom 2 x 2 in live mode
- Covert camera operation provides enhanced security and administrator control
- Dynamically programmable recording priority, motion detection, alarms, and scheduling
- Programmable call-monitor switching sequence
- Up to 30 sec pre-alarm recording
- Jog shuttle for easy operation
- USB mouse Support for user-friendly operation
- Multiple language on-screen menus
- Password to secure installation authorization
- Network software supports static IP, DHCP, PPPoE and DDNS
- Network hardware supports 10/100M bps
- Dimensions: 4 7/8" X 17 1/4" X 16 3/4"
- Weight: 18.45 lbs with 1 HDD (HDD weigh 1 Lbs)
- Power Consumption: Start up @ 90 Watts, Running @ 60 Watts
- Heat Dissipation: 3.42 BTU/Minute
- HDD size: 160GB, 300GB, 600GB, 800GB, 900GB, 1TB, 1.2TB, 1.5TB, 2.25TB)
- Operating temperature: 14° F to 120° F

* Standard DVR comes with a 160GB HDD. Other configurations available up to 2.25 TB internal

## Package Includes:

| | | |
|---|---|---|
| DVR | Software CD-ROM | 3 Year limited warranty |
| User manual | Power Supply | |

Specifications subject to change

| | MODEL NAME | DVR-4TN/160 | DVR-8TN/160 | DVR-16TN/160 |
|---|---|---|---|---|
| **Video** | Operation System | Embedded ( Linux ) | | |
| | Video Standard | NTSC/PAL | | |
| | Video Operation | Triplex+( Live, Record, Playback , Remote, and Internet access ) | | |
| | Resolution – Live Video | NTSC: 720 x 480 pixels | | |
| | Input | BNC x 4, 1.0Vp-p/75 ohm | BNC x 8, 1.0Vp-p/75 ohm | BNC x 16, 1.0Vp-p/75 ohm |
| | Outputs — Main Monitor | BNC x 1, S-Video x 1, 1.0Vp-p/75 ohm | | |
| | Outputs — Call Monitor | BNC x 1, 1.0Vp-p/75 ohm | | |
| | Outputs — Loop | BNC x 4, 1.0Vp-p/75 ohm | BNC x 8, 1.0Vp-p/75 ohm | BNC x 16, 1.0Vp-p/75 ohm |
| | VGA Output | 800 x 600, 1024 x 768, 1280 x 1024 pixels @ 60Hz | | |
| | Live Picture Refresh Rate | NTSC: 480 PPS(16CH) | | |
| | Digital Zoom | 2 x 2 | | |
| | Camera Installation | Plug & Play | | |
| **Audio** | Input | RCA x 1, Line-In | | |
| | Output | RCA x 1, Line-Out | | |
| | Recording Mode | Always Real Time Record, Synchronized w/ Video | | |
| | Compression Method | ADPCM, G.726 | | |
| | File Size | 8KB/Sec | | |
| | Operation | Remote + VCR mode | | |
| | Playback | Only for Video Original Speed | | |
| **Recording** | Compression Method | MPEG-4 Advanced Simple Profile | | |
| | Recording Mode | Continuous, Schedule, Alarm, Motion Detection | | |
| | Pre-Alarm | 0~30 sec | | |
| | Resolution & Rate — NTSC | 720x480: 30 pps / 720x240: 60 pps / 360x240: 120 pps | | |
| | Resolution & Rate — PAL | 720x576: 25 pps / 720x288: 50 pps / 360x288: 100 pps | | |
| | Recording Quality | 8 levels presets, adjustable | | |
| | Image Size | 2K to 20K Byte/picture | | |
| | Storage Mode | Linear/Circular | | |
| **Playback** | Playback | Play, Stop, Pause, Rewind, Forward, Search | | |
| | Playback Speed Adjustment | Yes 1X, 2X...32X | | |
| | Retrieve | Date/Time, Event | | |
| | Data Life Time | Yes (Programmable) | | |
| **Storage** | Built-in Storage | X2 ATA 133 / UDMA 133 IDE, HDD/CD-RW/DVD+RW | | |
| | Built-in HDD | Up to 3 built-in HDDs | | |
| | External Storage | X2 IEEE 1394 ports | | |
| | Export | X3 USB2.0 ports, support ThumbDrive®, CD-RW, or DVD+RW | | |
| **Alarm** | Alarm Input | X4, Terminal Block | X8, Terminal Block | X16, Terminal Block |
| | Alarm Detection | N.C./N.O., Programmable | | |
| | Auditory Alert | Built-in Buzzer | | |
| | Motion Detection | 21 X 13(NTSC), 21 X 16(PAL) Grid Array, Sensitivity, Trig Level Adjustable | | |
| **Communication** | Video Loss Detection | Programmable | | |
| | Alarm Relay Output | X2, Terminal Block, 1.0A/24V (Programmable) | | |
| | Network Connectivity | Ethernet RJ-45 connector, 10/100Mbps, supports DHCP/PPPoE/DDNS | | |
| | Remote Control Software | Internet Explorer | | |
| | Access Control | 2 Level Password | | |
| | Remote Operation | Monitoring, Playback, Recording, System Setup, Dome Camera Control | | |
| | RS232C | D-sub 9 pin female | | |
| | RS485 | Terminal Block | | |
| | Dome Control Protocol | DynaColor, Pelco P, Pelco D, AD422, Fastrax, JVC, DynaColor | | |