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
- 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 for extended storage
- 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
- 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
- Support RS485 remote control keyboard (optional)
- 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
- Max HDD size: 160GB, 300GB, 600GB, 800GB, 900GB, 1TB, 1.2TB, 1.5TB)
- Operating temperature: 14° F to 120° F

* Standard DVR comes with a 160GB HDD. Other configurations available up to 1.6 TB internal

Package Includes:

DVR	CD-ROM	1 Year limited warranty
User manual	Power Supply	

Specifications: 4, 8 or 16 MPEG-4 Triplex Digital Video Recorder with 160GB HDD

	MODEL NAME		DVR-4TN/160	DVR-8TN/160	DVR-16TN/160
Video	Operation System		Embedded (Linux)		
	Video Standard		NTSC/PAL switch selectable		
	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		
		Call Monitor	BNC x 1, 1.0Vp-p/75 ohm		
		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		Schedule, Alarm, Motion Detection		
	Pre-Alarm		0~30 sec		
	Resolution & Rate	NTSC	720x480: 30 pps / 720x240: 60 pps / 360x240: 120 pps		
		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		