



HIGH DEFINITION NETWORK VIDEO RECORDER



Experience the benefits of High Definition (HD) camera quality from an NVR. Now you can. DVTEL's Meridian Integrated Network Video Recorder (NVR) System delivers HD quality and dramatically reduces the cost of deploying megapixel video applications. Then, Installers can set-up an IP video system in the same amount of time required for a traditional DVR and analog cameras. The integrated system includes a built-in PoE switch, a hard disk for video recording and the client application.

Meridian plug and play system delivers:

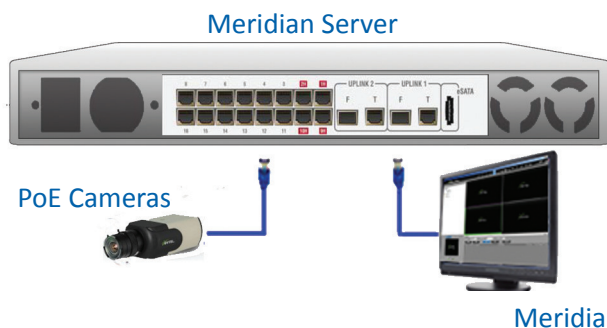
- Reduction in network switches and PoE supply device
- Faster and simpler installation
- Easy client set-up and operation

The 4 and 16-port Meridian single device NVR appliances combine the functions of a network video recorder, high-powered PoE enabled Ethernet switch, and video management software with automatic set-up features. Meridian provides power (high PoE), automatically assigns IP addresses, configures cameras for motion detection, and instantly begins recording without any need for operator involvement. For single site installations, there is no need for installers to source switches, routers, software and servers. Multiple Meridian units can be set-up within a network to build a large system over long distances with fiber optics through the built-in SFP (Small Form-factor Pluggable) transceiver combo uplink ports.

The easy-to-use Meridian VMS software offers digital zoom, camera tours, motorized lens control and smart video searches to quickly retrieve recorded events through thumbnail and event searches. Automatic updates offering new software features, are accessible over the web.

FEATURES

- Set-and-Forget automated installation
- Auto camera discovery
- Auto camera configuration and recording
- Embedded PoE switch (4 and 16-port)
- Gigabit uplink port - RJ45
- Embedded operating system
- H.264 recording at high definition resolutions
- Three year warranty on both hardware and software



The Meridian automated installation

- Camera is powered on and receives an IP address
- Meridian configures cameras for:
 - Motion detection
 - Optimized quality video profile
 - Automatic recording upon motion detection



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Specifications

Hardware	Meridian 4-port	Meridian 16-port
Network	LAN: 4 x 100 Mbps	LAN: 16 x 100 Mbps
	Uplink: 1 x 1Gbps SFP Combo	Uplink: 2 x 1Gbps SFP Combo
Camera Streams	Up to 8	Up to 24
Storage	Internal: 1TB	Internal: Up to 6TB
Camera Power	PoE: 802.3af (4 ports)	PoE: 802.3af (16 ports)
	High PoE: 802.3at (1 port)	High PoE: 802.3at (4 ports)
	Total power available: 46.5W	Total power available: 149 W
Compression (IP)	H.264, MJPEG	H.264, MJPEG
Resolution	Up to 3 Megapixel	Up to 3 Megapixel
Recording	240 fps @ 1080p	720 fps @ 1080p
VGA Output (Maintenance Only)	1 VGA (DB15)	1 VGA (DB15)
USB 2.0	3	3
Power Supply	48VDC external (included)	100-240VAC
Mounting	Surface	Rack (ears included), Surface
Dimensions	229 x 188 x 44 mm (9 x 7.4 x 1.75")	429 x 412 x 44 mm (16.9 x 16.2 x 1.75")
Operating Temp.	0 to 55°C (0 to 131°F)	0 to 55°C (0 to 131°F)
Regulatory	EMI/RFI: FCC, CE	EMI/RFI: FCC, CE
	Safety: UL Listed	Safety: UL Listed
	Environmental: RoHS	Environmental: RoHS
Warranty	Three years	Three years

Cameras	
Supported Cameras	DVTEL Quasar
Video Management Software (included)	
Client PC Requirements	3GHz Intel i3 Processor (Intel i5/i7 preferred for display of multiple MP cameras), 4 GB RAM, graphics card with full DirectX 9.0c acceleration and 1 GB or greater onboard memory; Windows® 7 Pro, XP Pro SP3, 100 MB disk space for client installation, 1280x1024 resolution and Ethernet 10/100/1000 NIC.
Live View (Local and Remote)	
Camera Live View	Seamless live view across multiple Meridian units
Digital PTZ	Digital Zoom for all cameras
Recording	
Event Recording	Triggered by motion detection and external input
Scheduled Recording	Individual recording schedules for each camera
Playback (Local and Remote)	
Auto-Discovery	Automatic plug-and-play and configuration of cameras
Security	Multiple user access levels with password protection
Software Updates	
Client: Automatic one-click updates via internet (included for 3 years)	
Meridian Server: Unlimited Firmware Updates (included for 3 years)	

Ordering Information

MER-1T-4P	Max. 8 streams, 1TB storage, 4-port PoE/PoE+ Fast Ethernet switch
MER-2T-16P	Max. 24 streams, 2TB storage, 16-port PoE/PoE+ Fast Ethernet switch
MER-4T-16P	Max. 24 streams, 4TB storage, 16-port PoE/PoE+ Fast Ethernet switch
MER-6T-16P	Max. 24 streams, 6TB storage, 16-port PoE/PoE+ Fast Ethernet switch