DIGIOP®
Intelligence Inspired

H480 Digital Video Management System

Designed by DIGIOP, Built by DELL

The DIGIOP® H480 Digital Video Recorder (DVR) is a high-performance video management solution ideal for large retail stores, correctional institutions, and other similar locations. The H480 provides full-featured, real-time recording of up to 16 channels of analog or IP video recording up to 480 images per second and 16 channels of audio, all managed in a single user interface. The DIGIOP H480 is shipped with integrated point of sale (POS) software creating the perfect loss prevention solution.

The H480 delivers key functionality and state-of-the-art capabilities in a rack-oriented chassis with a powerful Intel dual-core processor. It can be configured to provide more than two months of real-time, high quality video and audio*. As with the entire DIGIOP platform, it can seamlessly integrate with other systems and is easy to install, use, and maintain.

Included with each H480 is the DIGIOP Remote Manager, which will enable a user to manage, upgrade, and monitor the system as either a stand-alone workstation or part of an enterprise surveillance system. By combining DIGIOP's award-winning video management software and Dell's highly reliable platform, you can have a video solution unparalleled in capabilities, quality, and value.

With hybrid capabilities and seamless integration to third-party and back-office systems, DIGIOP offers solutions that bring visual integration to your business information.

Superior Technology & Capabilities

• Faster recording rates, longer archive capabilities
• Better video and audio fidelity through the use of DIGIOP's leading compression, storage, and streaming technology
• Advanced dual core micro-architecture with abundant processing power for future expandability
• Open platform with full-featured API for easy integration with third-party applications and devices
• Hybrid recorder capable of using both analog and IP cameras

Proven Reliability & Quality

• Manufactured by Dell, a world leader in the production of computing platforms
• ISO 9001:2000 manufacturing environment
• Chosen by many Fortune 1000 companies around the world as their digital surveillance platform

Value

• Value leader within the competitive digital surveillance industry
• Meets the needs of the smallest installations to the most complex

Consistent Availability

• Built to stock for rapid order fulfillment
• Available for next business day delivery through order fulfillment partners

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Turning the world's surveillance information into accessible intelligence and significant action • www.digiop.com

Video Recording: Modified H.264 hardware compression with advanced motion detection using 4 Texas Instruments DSP encoder engines, individually selectable camera resolution and frame rate. Up to 30 ips per camera. Max resolution 720x480.

NTSC: 480 ips across 16 inputs (30 ips per camera) @ CIF & 2 CIF, 240 ips @ 4CIF

PAL: 400 ips across 16 inputs (25 ips per camera) @ CIF & 2 CIF, 200 ips @ 4 CIF

Playback: Fully synchronized multi-channel playback, advanced image post-processing, smart search, selectable de-interlacing, 24hr intelli-search, selectable event playback, digital zoom & enhancements, encrypted and open format hich is easy to export to network, DVD/CD/USB

Audio Channels: 16 line-level synched to video, 1 two-way audio, advanced Ogg Vorbis based compression achieves high-quality at 6 kbps bit rate, and live remote audio monitoring

Analog Monitor Out: None (optional multi-screen analog monitor out)

Alarms/ Relays: 4 (NO/NC) / 2 relay switch outputs; event-driven, programmable optimized frame rate on sensor input, PTZ preset association to sensor input. Video motion detection, video loss, record failure, and power loss association to relay. Local and remote relay activation and control

Data & Peripheral Connectivity: Integrated PTZ RS485 or 1 RS232, 8 USB ports for additional devices, 1 parallel/printer, 2 VGA out, 1 speaker/line-out

Network Interface: Ethernet: RJ-45 10/100/1000. Server bandwidth throttle, DHCP enabled; centralized time server synchronization across all servers

Recording Modes: Continuous, schedule, motion (full view or masked with sensitivity control), event-driven with multiple camera association, pre- and post-alarm recording, covert, selectable event & camera days archive retention

Video Streaming: Advanced compression and 128 bit AES encrypted, multi-channel independent streaming, tri-plex on remote for simultaneous live, VOD/Playback, and archive. Unique full-quality video stream achieved by adaptive frame skipping for low bandwidth networks

Video Storage: Up to 3 high capacity HDDs. 1TB – 4.5TB storage. SMART III, 7200 RPM SATA, HDD % full notification

Audit/Event Log: Setup, startup, shutdown, restart, reset, sensors, HDD fail, video loss, record start & stop, system service, date/time change, upgrade, network change, video error

Fault Tolerant Systems: Auto HDD recovery – system automatically re-images after improper shutdown or error detected, hardware watchdog, HyperCool thermal-management, brown out tolerant power supply, enterprise class HDD 1.2 million MTBF @ 100% duty cycle at 500 GB HDD and above capacities

Server App, OS, API & Integration: DIGIOP Hybrid Series 7 Server, multi-site remote management software suite, Windows XP Professional, full DIGIOP API compatibility, Video Analytics capable, and DTM/POS capable

IT Platform: Customized Dell T3400, 2.66GHz E7300 Core 2 Duo Processor, 2 GB RAM
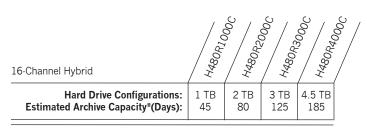
Dimensions (HxWxD): 17.6" x 6.8" x 18.4" (44.7cm x17.1cm x 46.8cm)

Weight: 48 lbs. (21.77 kg) (depending on options installed)

Operating Temperatures: 50° to 95°F (10°-35°C)

Safety & Certifications: Energy Star, BSMI, C-TICK, CE, FCC, IRAM, NEM-KO, SABS, SASO, UL, VCCI, WEEE

Power Supply: 375 W, 76% power efficiency, 1279 BTU/hr. heat dissipation (not including peripherals) , manual selection power supplies: 90 to 135 V at 50/60 Hz; 180 to 265 V at 50/60 Hz

16-Channel Hybrid	H480R1000C	H480R2000C	H480R3000C	H480R4000C
Hard Drive Configurations: **Estimated Archive Capacity*(Days):**	1 TB 45	2 TB 80	3 TB 125	4.5 TB 185
Video/Audio Channels:	16/16 + two-way audio			
Record Rate @ CIF, 2CIF, 4CIF:	480, 480, 240			
Inputs/Relay:	4/2+PTZ			

Part Number Key   H480R1000C

| Model | Chassis | HD Capacity (GB) | Version |

R=Rack Oriented