



Designed by DIGIOP, Built by

The DIGIOP[®] S480 Digital Video Recorder (DVR) is a high-performance video management solution ideal for large retail stores, correctional institutions, manufacturing facilities, schools, banks, corporate facilities, and similar locations. The S480 provides a 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 S480 is shipped with integrated point of sale (POS) software creating the perfect loss prevention solution.

The DIGIOP S480 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 DIGIOP S480 is the DIGIOP Remote Manager, which will enable a user to manage, upgrade, and monitor the system as either a stand-alone workstation or as part of an enterprise surveillance system. By combining DIGIOP's award-winning video management software and Dell's highly reliable platform, you can have an open video solution unparalleled in capabilities, quality, and value.

With hybrid capabilities and seamless integration to third-party and back-office systems, DIGIOP offers a visually integrated solution unique to your business needs.

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 platform
- 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

Video Recording: Enhanced MPEG 4 compression with motion and noise discrimination, individually selectable camera frame rate and resolution. Up to 30 ips per camera. Max Resolution 720x480.

NTSC: 480 ips across 16 inputs (30 ips per camera) 480 @ CIF; 240 ips @ 2 CIF; 120 ips @ 4 CIF

PAL: 400 ips across 16 inputs (25 ips per camera) 400 @ CIF; 200 ips @ 2 CIF; 100 ips @ 4 CIF

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

Audio Channels: 16 line-level synced to video, 1 two-way audio, selectable compression methods, G.723.1 compression achieves voice quality 6.3 kbps bitrate, or high quality raw compression and live remote audio monitoring

Analog Monitor Out: Multi-screen RCA-terminated NTSC or PAL analog monitor output; event-driven video switcher functionality, selectable rotation with dwell time, controlled/overridden by time/VMD/ alarm input or remote control

Alarms/ Relays: 4 (NO/NC) / 4 relay switch outputs; programmable event driven, programmable to optimize 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 RS422/485 or 1RS232, 8 USB ports for additional devices, 1 parallel/printer, 2 VGA out, 1 speakers/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 and 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

Optional Modules

VLOOEXT16-Kit - 16 Channel Loop Out Board
CONEXT1616-Kit - 16 Channel I/O Board

Video Storage: Up to 3 high capacity HDDs. 750 GB – 4.5 TB 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 750 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 x 17.1cm 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, NEMKO, SABS, SASO, UL, VCCI, WEEE

Power Supply: 375W, 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 50/60Hz

	S480R750C	S480R1500C	S480R3000C	S480R4500C
16-Channel Hybrid				
Hard Drive Configurations:	750 GB	1.5 TB	3 TB	4.5 TB
Estimated Archive Capacity*(Days):	30	60	120	180
Video/Audio Channels: 16/16+ two-way audio				
Record Rate @ CIF, 2CIF, 4CIF: 480, 240, 120				
Inputs/Relay: 4/4+PTZ				
Part Number Key: S480R1500C Model Chassis HD Capacity (GB) Version R=Rack Oriented				