



S480 Digital Surveillance Management System Specification Sheet

Rack-Mountable Tower†

NEW! Hybrid Ready

	S480T750B	S480T1500B	S480T3000B
Hard Drive Configurations:	750 GB	1.5 TB	3 TB
Estimated Archive Capacity*(Days):	30	60	120
Video/Audio Channels:	16/16+ Two-way Audio		
Record Rate @ CIF, 2CIF, 4CIF:	480, 240, 120		
Inputs/Relay:	4/4+PTZ		

The New DIGIOP G3 S480 DVR has been specifically designed as a high-performance surveillance management solution for large retail stores, correctional institutions, manufacturing facilities, schools, banks, and corporate facilities or similar locations that require a full-featured, real-time recording of up to sixteen video and audio channels. The H480 is shipped with integrated POS Software which can be easily unlocked via software key to create the perfect loss prevention solution.

The G3 S480 delivers key functionality and state-of-the-art capabilities in a rack-mountable chassis with a powerful Intel multi-core processor. It can be configured to provide more than 2 months of real-time high quality video and audio. As with the entire DIGIOP G3 platform, it can seamlessly integrate with other systems. The S480 is easy to install, use, and maintain.

Included with each G3 S480 is the DIGIOP Remote Manager and integrated web server, which will enable a user to manage, upgrade, and monitor the S480 as either a stand-alone workstation or enterprise surveillance system. By combining DIGIOP's award-winning surveillance management software and hardware with HP's highly reliable IT platform, we have created an open surveillance platform unparalleled in capabilities, quality, and value.

Superior Technology & Capabilities

- Faster record rates, longer archive capabilities
- Better video and audio fidelity through the use of DIGIOP's leading compression, storage, and streaming technology
- Advanced Intel Core-2-Duo micro-architecture with abundant processing power for future expandability
- Open Platform with Full featured API for easy 3rd party integration
- Hybrid Ready

Proven Reliability & Quality

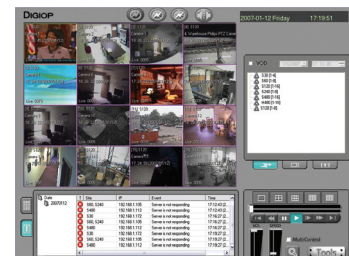
- NEW! Now manufactured by HP, a world leader in the production of computing platforms
- ISO 9001:2000 manufacturing environment
- Chosen by many Fortune 1000 companies around the world as their digital surveillance platform

Consistent Availability

- NEW! The DIGIOP G3 Series of surveillance management systems will be built for stock for rapid order fulfillment
- Through order fulfillment partners, these systems will be available for next business day delivery, if necessary

Value

- The new DIGIOP G3 series has been priced to be the hands down value leader within the competitive digital surveillance industry
- With one of the industry's broadest product lines, a DIGIOP G3 surveillance system can be found to meet the needs of not only the smallest installations but also the most complex
- The new DIGIOP G3 series has combined leading technology, unmatched quality and reliability, availability, and a best in class service model with aggressive pricing to create the new standard in the surveillance industry



DIGIOP Remote Manager (Included)



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*Storage estimation is based on 25% motion, 1CIF at 500kbps/30fps bitrate. Actual days storage may vary greatly depending on cameras, compression used, scene complexity, and image quality settings. JPEG IP cameras will reduce archive capacity by 3-5 times or more.

†Rack mountable with additional hardware, not included.

SPECIFICATIONS

S480

Description: The DIGIOP S480 DVR is a 16-channel video and 16-channel audio IP-networked digital video recorder which records up to 480 images-per-second. It is designed for mid-sized camera installations which require real-time recording and a 1:1 video to audio ratio. It provides enterprise features, quality, and interoperability in a rack-mountable chassis that is easy-to-install, use, and maintain. It can operate as a fully integrated networked system or as a stand-alone workstation with an intuitive mouse driven graphical user interface.

Video Recording: Enhanced MPEG 4 compression with motion & noise discrimination, individually selectable camera frame rate and resolution. Up to 30 FPS per camera. Max Resolution 704x576

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

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

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 easy export to network, DVD/CD/USB

Audio Channels: 16 line-level synched to video, 1 two-way audio, selectable compression methods, G.723.1 compression achieves voice quality 6.3 kbps bitrate, or high quality row compression. Live remote audio monitor

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, remote control. All inputs support 75ohm/hi-Z switch for loop through capability

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

Data & Peripheral Connectivity: Integrated PTZ RS422/485 or 1RS232, 8 USB ports for additional devices, 1 parallel/printer, 1 VGA out, 1 speakers/line-out, 1 headphone (front)

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 concrypted (compressed & 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: 4 high capacity HDDs. 500-3 TB storage. SMART III. 3.0 Gbs, 7200 RPM SATA, automated Net-backup server compatible, 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, software and hardware watchdogs, HyperCool thermal-management, brown out tolerant power supply, XP Embedded hardened OS, enterprise class HDD 1.2 million MTBF @ 100% duty cycle at 500 GB HDD and above capacities

Server App, OS, API & Integration: DIGIOP Series 6 server & multi-site remote management software suite, Hybrid Series 7 software upgradeable, built in web server, XP Embedded OS, full DIGIOP API compatibility and DIGIOP E-Class, N-Class, E-Class, M-Class interoperability, DTM/POS capable

IT Platform: 1.86 Ghz Intel Core 2 Duo Processor, 1 GB RAM

Dimensions (HxWxD): 17.7"x6.7"x18.0" (44.9cm x17.0cm x45.7cm)

Weight: 33 lbs. (14.97 kg) (depending on options installed)

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

Safety & Certifications: TCO99, Blue Angel, Green PC, Energy Star, BSMI, C-TICK, CE, FCC, IRAM, NEMKO, NFPA99, SABS, SASO, TCO, TUV, UL, VCCI, USB 2.0, WEEE

Power Supply: 305W, 76% power efficiency, 956 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



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