



Designed by DIGIOP, Built by 

The DIGIOP[®] S120 Digital Video Recorder (DVR) is a high-performance video management solution ideal for retail stores, restaurants, schools, banks, corporate facilities, and similar locations. The S120 provides up to 16 channels of analog or IP video recording up to 120 images per second and five channels of audio, all managed in a single user interface. The S120 is shipped with integrated point of sale (POS) software creating the perfect loss prevention solution.

The DIGIOP S120 delivers key functionality and state-of-the-art capabilities in a compact desktop chassis with a powerful Intel dual-core processor. It can be configured to provide more than two months of DVD quality video*. 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 S120 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 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 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

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: 120 ips across 16 inputs (7.5 ips per camera) @ CIF & 2 CIF, 90 ips @ 4 CIF

PAL: 100 ips across 16 inputs (6.25 ips per camera) @ CIF & 2 CIF, 60 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 that is easy to export to network, DVD/CD/USB

Audio Channels: 5 line-level synched to video, 1 two-way audio, selectable compression methods, G.723.1 compression achieves voice quality at 6.3 kbps bit rate, or higher quality compression and live remote audio monitoring

Analog Monitor Out: RCA-terminated NTSC or PAL analog spot monitor output; selectable rotation with dwell time, controlled/overridden by time/VMD/alarm input or remote control

Alarms/Relays: 4 (NO/NC)/4 relay switch outputs; event-driven, 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 1 RS232, 8 USB ports for additional devices, 1 parallel/printer, 1 VGA out, 1 speaker or 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 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.

Video Storage: 1 high capacity HDD. 250 GB – 1.5 TB storage. Innovative HD dampening SMART III. 7200 RPM SATA, HDD % full notification.

Audit/Event Log: Setup, startup, shutdown, restart, reset, sensors, HDD fail, video loss, record start and 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, Hyper-Cool thermal-management, brown out tolerant power supply, enterprise class HDD 1.2 million MTBF @ 100% duty cycle for the 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 OptiPlex 760, 2.66GHz Intel Core 2 Duo 2GB RAM

Dimensions (HxWxD): 4.5"x15.7" x 13.9" (11.43cm x 39.9 cm x 35.3cm)

Weight: 28 lbs (12.7 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: 255W, 88% power efficiency, 956 BTU/hr. heat dissipation (not including peripherals), active power factor correction supplies: 100 to 240 V at 47/63 Hz

16-Channel Hybrid	S120D250C	S120D500C	S120D750C	S120D1000C	S120D1500C
Hard Drive Configurations:	250 GB	500 GB	750 GB	1 TB	1.5 TB
Estimated Archive Capacity*(Days):	35	75	120	160	250
Video/Audio Channels: 16/5+ two-way audio					
Record Rate @ CIF, 2CIF, 4CIF: 120, 120, 90					
Inputs/Relay: 4/4+PTZ					

