

8 Channel Real-Time Digital Video and Audio Recorder

Embedded Real-Time DVR



- 25 fps full-frame recording
- 8 channels of Video, Audio and Data recording
- Transfer of footage to movie DVD
- Full evidential audit trail and easy data transport
- Dedicated hardware design running embedded Linux

Setting a new standard for non-PC-based DVR systems, FASTAR provides smooth real-time D1 (720 x 576) resolution recording at S-VHS quality with audio on every channel. Designed for higher frame-rate applications such as town centres, casinos, airports, cash-counting areas and similar sites, each channel independently records from 1 to 25 fps, according to recording schedules, integrated video motion detection or external alarm input.

FASTAR is designed as a server-based digital video and audio recording system with control, playback and live viewing through a networked PC running Visimetrics CONTROL SMS software. Multiple FASTAR Server units can be linked to provide seamless recording of hundreds of cameras.

FASTAR runs embedded Linux on purpose-designed hardware for maximum reliability, security and resistance to computer viruses. All software is embedded so that the hard disks store video and audio recordings only.

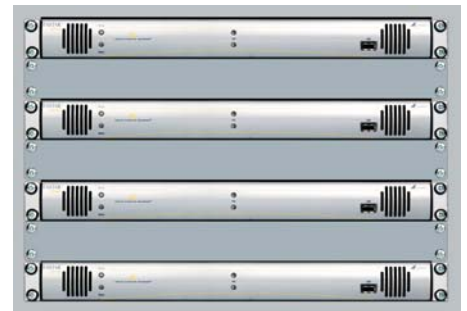
Each 1U FASTAR has an internal storage capacity of 6TB. This can be expanded, if required, through our Network Attached Storage (NAS) units which can also be configured in any RAID format required.

FASTAR

server

Product Range	FASTAR Server 1U (up to 6TB). External Networked Attached Storage (NAS) with RAID options.
Recording Rates	25 fps per channel at full frame. Total 200 fps. Independently variable recording rates per channel from 1 to 25 fps.
Resolution	Full-D1: 720 x 576, 2/3-D1 480 x 576, 1/2-D1 320 x 288 pixels.
Compression Format	MPEG2 (DVD standard) with adjustable quality factor.
Storage Format	Internal Hard Disk up to 6TB. Expandable via NAS.
Video Input	8 x BNC with loop-through and switchable termination.
Video Output	2 x BNC : 1 Main display, 1 spot monitor.
Audio Input	8 x line-level inputs.
Data Recording	Up to 16 independent data channels may be recorded through serial ports or network links. Examples: Access Control, ANPR, EPoS, Bar Codes and Alarm data. Recorded data is synchronised with video and audio and is searchable for event retrieval and playback. Text overlay display may be toggled on/off during record or playback.
Alarm Input/Output	8 x inputs on screw terminals (NC/NO). 2 x relay outputs on screw terminals.
Network Port	100BaseT Ethernet link on RJ45 socket.
Serial Ports	2 x RS232 (RS485 via adaptor).
Operating Modes	Quadruplex (Record/Playback/Display/Archive).
Video Motion Detection	Integrated high performance VMD with zone-masking.
Recording Scheduling	Programmable continuous and event recording according to time and weekday. Combined VMD/Timelapse mode.
Telemetry Support	Via RS232 - RS485 adaptor.
Image Export <i>(via CONTROL software)</i>	Transfer of footage to Movie DVD (playable in domestic player), or CD/DVD-RW in data format. Transfer of required Replay Software during disk creation for third party review by PC. Supports transfer to USB devices including Memory Stick and Portable Hard Disk.
Other Features	Full operator log and evidential audit trail. Automatic restart after power fail (30 secs from power-on/restart to record). Optional Network Time Synchronisation. Remote access and live viewing via Control Station or CONTROL SMS software.
Mains Power Input	230V (100W typical power consumption).
Operating Conditions	5 to 35 °C; 5% to 85% relative humidity.
Dimensions	W x H x D - 442mm x 44mm x 460mm (1U). With 19" Rack Mounting Kit including front lugs and L Brackets.

FASTAR 4 server system
Rackmount (1u) includes mounting kit

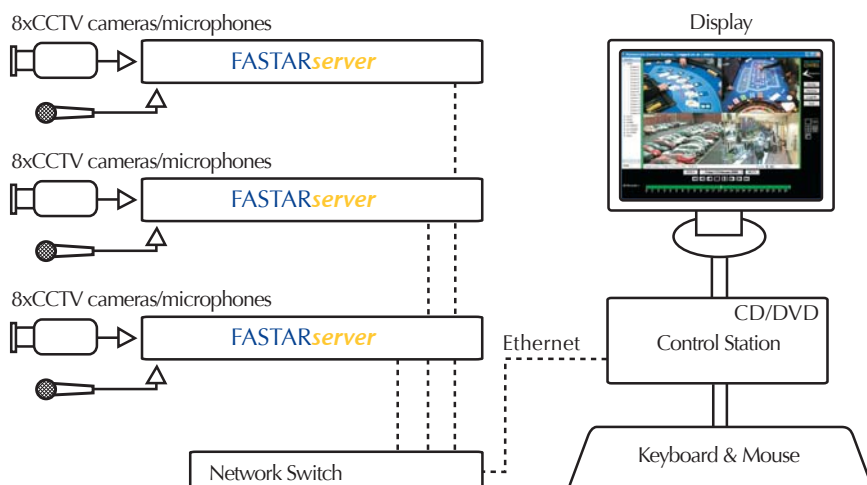


CONTROL SMS user interface



DIGITAL EVIDENCE RECORDER™

All Visimetrics DVR products now carry the **DIGITAL EVIDENCE RECORDER™** trademark. These DVRs are designed to record video, audio and data to the highest possible standards for evidential use, including encoding, time/date/serial number stamping, audit trail and easy, yet evidentially robust, data transport. Ask your dealer for our specially printed blank disks for evidential use.



FASTAR server units networked together to provide a 24 channel system



DIGITAL CCTV SYSTEMS

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