



## WHY USE A VIOLA H.264 COMPRESSION DVR FROM VIDECON?

The Viola H.264 DVR series provides an efficient and economical storage of CCTV footage thanks to the compression and decoding system. Our DVR coding system is the result of extensive product and software development and testing to ensure reliable and trustworthy operation.

### USER-FRIENDLY

A user-friendly GUI gives easy access to all of the Viola H.264 DVR functions.

Every Viola H.264 is easy to install, program and operate. The Viola DVR series delivers simple, reliable performance.

### RECORDING FRAME RATES

Individual recording frame rates can be applied to each channel of a Viola H.264 DVR. For example, some cameras can be set to record at 3 FPS while others can be set to record at 6 FPS, which maximises efficient use of the Hard Disk Drive.

### RECORDING QUALITY

Resolutions of 360 x 288 (CIF), 720 x 288 (2CIF/Half D1) or 720 x 576 (4CIF/D1) can be configured for maximum recording quality, high quality standard settings or to increase the amount of recording time on the Hard Disk Drive.

### RECORDING PLAYBACK

The Viola H.264 DVR can playback all channels simultaneously. This allows a user to review footage using all cameras to see an event from every angle.

### ALARM FUNCTION

Channels can be configured to record at a low frame rate as a standard setting until an event triggered by an alarm activation. The alarm trigger can increase the frame rate to maximise the quality of footage.

The Viola H.264 DVR uses its own technology to make an ultra-fast change between recording rates which minimizes the loss of frames during the transition. This allows the user to get the most out of the quality of recording and hard disk storage.

### REMOTE VIEWING

All Viola H.264 DVR units can be viewed via a mobile phone with a web browser. There is no license or connection fee other than that stated by your service provider. The units can be programmed to give a manageable resolution for mobile phone operation without interference to the recording resolution of the DVR. Please note that PTZ function is not available with this facility.

### OTHER FEATURES

- Up to Real-Time live display and record frame rates
- Two-Way Audio
- Remote Access via PC
- Email Alarm Notification
- Fully Networkable
- RS-232/RS-485 for PTZ, POS and GPS Support
- USB for back-up and configuration
- Keypad, I/R Remote Control\* and Mouse Operation
- Watermark
- Multi-language GUI
- Open-system architecture for ease of access via network



\* Remote control sold separately



- VIO-M4/250 with 250GB HD
- VIO-M4/500 with 500GB HD
- VIO-M4/1000 with 1000GB HD



**FULL  
SIMULTANEOUS  
CAMERA  
PLAYBACK**

SYSTEM	O.S.	Embedded Linux 2.6
	Multiplex	Sixfold operation - simultaneous record, live, playback, back-up, control, & remote access
	Certification	FCC, CE, LVDS, PSE, etc.
VIDEO	Format	PAL/CCIR
	Input	4-CH, BNC, 1Vp-p/75ohm
	Main monitor	BNC x 1, 1Vp-p/75ohm VGA D-SUB 15-pin connector
	Call monitor	BNC x 1, 1Vp-p/75ohm
	Loss detection	Yes
	Motion detection	Yes, with configurable detection area & sensitivity
AUDIO	Input	1 RCA-jack connector, line-in level (100mV-2Vrms)
	Output	1 RCA-jack connector, line-out level (up to 2Vrms)
RECORD	Compression	Video: H.264 Baseline Profile Audio: ADPCM
	Frame rate (IPS) & Resolution	25 / 720 x 576, 50 / 720 x 288, 100 / 360 x 288
	Mode	Manual/Schedule/Alarm/Motion
	Pre-record time	0 - 10 seconds
	Post-record time	0 - 60 minutes
DISPLAY	Resolution	PAL - 720 x 576
	Split windows	1/4
	Frame rate	25 (PAL) IPS per display window
	Freeze	Yes
	Sequential switch	User adjustable
	Digital Zoom	X2, X4
PLAYBACK	Frame rate (IPS) & Resolution	PAL - 25 / 720 x 576, 50 / 720 x 288, 100 / 360 x 288
	Search	Smart search, Date/time, Camera, Alarm, Motion, & Video Loss
	Operation	Play, Fast Forward, Backward, Pause, Stop, etc. Remote I.E. and HEM can also Print
STORAGE	HDD	1 set of 3.5" SATA type HDD, Max. 1TB HDD storage size Failure detection supported Privacy law supported
	Partitions	Configurable alarm partition size Configurable auto-overwrite or not
	Back-up	1 USB 2.0 port for USB disk drives, DVD+RW, DVD-R, card readers, HDD, etc. Self playback for back-up files
ALARM	Input	4 contact or TTL/CMOS signal, polarity selectable
	Output	1 Normally Open or Normally Closed relay output
	Buzzer	Yes
	Trigger	Sensor input, Video loss, & Motion
	Event log	Yes
NETWORK	Ethernet	1 RJ-45 10/100BaseT Ethernet connector
	Web	Remote set-up, monitoring, back-up, alarm notification, & remote software upgrade Support Windows 7, Windows Vista, Windows XP, and Windows 2000 1 I.E./Firefox for multiple DVRs Configurable HTTP/Control/Data port
	E-mail	Alarm notification to stationary or mobile devices
	FTP	Alarm video/audio file storage
	Video	1/4 split-window & SEQ mode for I.E. and HEM Dynamic electronics maps for HEM
	Audio	Bidirectional
	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP
	Remote users	Up to 6 users simultaneously
	Bandwidth	TCP/IP type dynamic sliding window control
	Remote stations	PC, mobile phone, or PDA
CONTROL	I/R	1 I/R remote controller
	RS-485	2-pin for PTZ control
SET-UP	Local	On-screen set-up via keypad, I/R remote controller, USB mouse
	Remote	Set-up & upload via Windows application software
	Multi-lingual	Yes
RELIABILITY	System recovery	Auto power on after power loss recovery
	Watch Dog Timer	Yes
	Timer	Built-in real time clock
	Security	Multi-level password (3 levels, up to 18 accounts) protection with authentication key for remote access
WEIGHTS & MEASURES	Dimension	320(W) x 210(D) x 50(H)mm
POWER	Weight	2.0 KG (without HDD)
	Source	+12 VDC
	Consumption	24W Max.
OPERATING TEMPERATURE		0°C ~ +50°C