

# VIO-8

## 8 Channel DVR



### H.264 8



The VIO-8 is a 8 channel H.264 DVR with sixfold operation – record, live view, playback, backup, control, & remote access. The VIO-8 is suitable for any budget application.

#### OTHER FEATURES

- Up to Real-Time record frame rates & real-time live display
- 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
- Open-system architecture for ease of access via network
- Front Panel Interface
- Custom User Profiles
- IP Filtering
- Plug-and-play Mouse Support
- Remote Control
- Smart search
- Real-Time live display
- Fully Networkable
- Watermark
- Multi-language GUI



#### H.264

The H.264 compression format is network friendly, lowering the demand for bandwidth over a local area network or remote connection.

#### User-friendly GUI

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.

The Viola H.264 makes ultra-fast change between recording rates which minimizes the loss of frames during transition.

#### 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.

#### Remote Connection

The Viola H.264 DVR can be connected to remotely via web browser on a PC or Smartphone, client programme or central monitoring software.

#### Archiving

Footage can be archived by USB stick or external HDD/DVD or by remote connection to local PC HDD.



#### Order Codes

##### 8 CHANNEL

- VIO-8/500 with 500GB HDD
- VIO-8/1000 with 1000GB HDD
- VIO-8/2000 with 2000GB HDD

<b>SYSTEM</b>	O.S.	Embedded Linux 2.6	
	Multiplex	Sixfold operation - simultaneous record, live, playback, backup, control, & remote access	
<b>VIDEO</b>	Certification	FCC, CE, LVDS, etc.	
	Format	NTSC/EIA or PAL/CCIR	
	Input	8CH, BNC, 1Vp-p/75ohm	
	Main monitor	BNC x 1, 1Vp-p/75ohm VGA D-SUB 15-pin connector	
	3-D de-interlace & de-noise	Yes	
	Loss detection	Yes	
	Motion detection	Yes, with configurable detection area & sensitivity	
<b>AUDIO</b>	Input	2 RCA-jack connector, line-in level (100mV-2Vrms)	
	Output	1 RCA-jack connector, line-out level (up to 2Vrms)	
<b>RECORD</b>	Compression	Video: H.264 Audio: ADPCM	
	Frame rate (IPS) & Resolution	NTSC – 60 / 720*480, 120 / 720*240, 240 / 360*240 PAL – 50 / 720*576, 100 / 720*288, 200 / 360*288	
	Mode	Manual/Schedule/Alarm/Motion	
	Pre-record time	0 - 10 seconds	
	Post-record time	0 - 60 minutes	
	<b>DISPLAY</b>	Resolution	NTSC – 720*480, PAL – 720*576
	Split windows	1/4(7/9)	
	Frame rate	Up to 30 (NTSC) / 25 (PAL) IPS per display window	
	Freeze	Yes	
	Sequential switch	User adjustable	
	Digital Zoom	X2, X4	
<b>PLAYBACK</b>	Frame rate (IPS) & Resolution	NTSC – 60 / 720*480, 120 / 720*240, 240 / 360*240 PAL – 50 / 720*576, 100 / 720*288, 200 / 360*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, Snapshot	
<b>STORAGE</b>	HDD	Up to 2 sets of 3.5" SATA HDDs with storage, > 2TB of HDD storage size, Advanced format HDD supported	
	Partitions	Configurable alarm partition size Configurable auto-overwrite or not	
	Backup	1 USB 2.0 ports for USB 2.0 disk drives, DVD+RW, DVD+R, DVD-R, card readers, HDD, etc. Self playback for backup files	
<b>ALARM</b>	Input	4 contact or TTL/CMOS signal, polarity selectable	
	Output	1 Normally Open or 1 Normally Closed relay output	
	Buzzer	Yes	
	Triggered by	Sensor input, Video loss, & Motion	
	Event log	Yes	
<b>NETWORK</b>	Ethernet	1 RJ-45 10/100BaseT Ethernet connector	
	Web	Remote setup, monitoring, backup, alarm notification, & remote software upgrade 1 I.E./Firefox for multiple DVRs Configurable HTTP/e-mail/FTP/Control/Data port	
	DDNS	Free DDNS server	
	E-mail	Alarm notification to stationary or mobile devices	
	FTP	Alarm video/audio file storage	
	Video	1/4/9/16 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	Streaming video for PC, mobile phone, PDA, etc., no Apps required	
	<b>CONTROL / GPS/POS</b>	I/R	1 I/R remote controller
		RS-485	PTZ, GPS, or POS
<b>SETUP</b>	Local	On screen setup via keypad, I/R remote controller, mouse, and/or RS-485 keyboard controller	
	Remote	Setup & upload via Windows application software	
	Multi-lingual	Yes	
<b>RELIABILITY</b>	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	
<b>WEIGHTS &amp; MEASURES</b>	Dimension	435(W) x 285(D) x 55(H)mm	
	Weight	3.0 KG (without HDD)	
	Source	+12 VDC	
<b>POWER</b>	Consumption	30W Max.	
<b>OPERATING TEMPERATURE</b>		0°C ~ +45°C	