

DVR100-008/016

8CH/16H H.264 Digital Video Recorder



8/16CH, H.264, quadplex, Full HD 1080p output, GUI, dual stream, Linux, USB, motion detection, mobile support

The DVR100-008/016 is an integrated H.264 digital video recorder (DVR) designed for medium to large scale security projects. The DVR combines the features of a time-lapse audio/video recorder, a multiplexer, and a video server altogether to create an all-in-one, stand-alone DVR solution. Its outstanding quadplex operation enables users to view live video, search and playback any recorded footage by date, time or event, and to remotely access the unit on a PC via network, whilst the video recording is still ongoing concurrently without being interrupted.



Advanced H.264 Compression

The H.264 technology provides superb compression, which consumes much less network bandwidth and hard drive space compared to other standards without compromising image quality and transmission speed, while greatly increasing the amount of video evidence the user can archive.



Flexible Storage Management

The built-in SATA bays support up to 3 internal 3.5" SATA HDDs or DVD-RW drives, offering adequate storage capacity or data backup for recorded video archive. The DVR also comes with 2 USB 2.0 ports for expandable storage or data backup with external storage media, such as USB Flash Drives or External HDDs.



Full HD 1080P Output

The DVR100 Series offers Full HD 1080p with digital output connectivity, allowing the user to view real-time surveillance footage with superior, uncompressed digital video for the highest, crispest image quality on a 16:9 monitor screen.



Dual Stream Technology

The resolution, bit rate, frame rate, and other parameters of the output streams can be individually set to meet various requirements as the video feeds are recorded, managed or transmitted, enabling the user to adjust the stream settings in the most efficient manner to ensure optimized video surveillance operation.

Specifications

Model	DVR100-008	DVR100-016	
Video			
Operating System	Embedded (Linux)		
Input	BNC×8, 1.0 Vp-p, 75 ohm	BNC×16, 1.0 Vp-p, 75 ohm	
Outputs	Image Resolution	NTSC: 720x480, PAL: 720x576 (BNC)	
	Call Monitor	BNC × 1, 1.0 Vp-p, 75 ohm	
	BNC Output	BNC × 1, NTSC: 720x480, PAL:720x576	
	Digital Display Output	1024x768, 1280x1024, 1920x1080p	
	VGA	1024x768, 1280x1024, 1920x1080p	
Picture Refresh Rate	NTSC: 30 PPS/per-channel, PAL: 25 PPS/per-channel		
Audio			
Input	D-SUB × 8, Line-In	D-SUB × 16, Line-In	
Output	Main Audio	RCA x1, Line-Out	
	Call Audio	RCA x1, Line-Out	
Compression Method	Proprietary		
Data Rate	8 KB/s, per CH		
Recording			
Compression Method	H.264		
Recording Mode	Schedule, Alarm, Motion Detection		
Pre-alarm	Support		
Recording Rate	NTSC 720x480	Max 120 pps	Max 240 pps
	720x240	Max 240 pps	Max 480 pps
	360x240	Max 240 pps	Max 480 pps
	PAL 720x576	Max 100 pps	Max 200 pps
	720x288	Max 200 pps	Max 400 pps
	360x288	Max 200 pps	Max 400 pps
Recording Quality	8 Levels Presets, Adjustable		
Image Size	1 KB to 22 KB/Picture		
Storage Mode	Linear / Circular		
Data Lifetime	Yes (Programmable)		
Storage			

Built-in Storage Interface	2 SATA total (for HDD or DVD+RW)	2 SATA (for HDD) and 1 SATA (for DVD+RW only)
Cartridge / DVDRW	Optional	
Export	2 USB 2.0 Ports (support ThumbDrive or DVD+RW)	

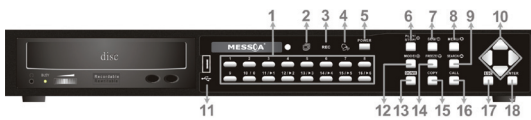
Alarm		
Alarm Input	DSUB-25, 8 x TTL-In	DSUB-25, 16 x TTL-In
Alarm Relay Output	DSUB-25, 1 x N.C.-COM-N.O., 1.0A / 30 VDC or 1.0A / 120 VAC	
Alarm Detection	N.C. / N.O., Programmable	
Motion Detection	16 × 12 Grid Array, Sensitivity, Trigger level adjustable	
Video Loss Detection	Programmable	

Communication	
Network Connectivity	RJ45, 10/100/1000 Mbps Ethernet, Supports PPPoE/DDNS/ DHCP
Remote Control Software	CMS supported
Remote Operation	Monitoring, Playback, Recording, System setup, Dome camera control, Archiving
RS-485	D-SUB
IR Remote	Yes
Dome Camera Control Protocol	DSCP, Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, JVC

General	
Unit Dimension (W × H × D)	437 × 373 × 56 mm (17.2 × 14.69 × 2.2 inches)
Unit Weight	1.5 Kg (3.4 lbs)
Package Dimensions (W × H × D)	393 × 139 × 358mm (15.5 × 5.5 × 14.1 inches)
Package Weight	2.5 Kg (5.6 lbs)
Operating Temperature	0 °C ~ 40 °C (32 °F ~ 104 °F)
Relative Humidity	10% ~ 90%, Non-condensing
Power Consumption & Input	AC 100 ~ 240V, 50-60Hz, 60W adaptor

Order Information		
Model No.	NTSC: DVR100-008-N; PAL: DVR100-008-P	NTSC: DVR100-016-N; PAL: DVR100-016-P

Front Panel



1 Channel Keys	11 USB 2.0 Port
2 Network LED	12 Mode Switch
3 Record LED	13 Dome Control
4 Alarm LED	14 Freeze
5 Power Key	15 Copy
6 Play/Stop	16 Call
7 Auto Sequence	17 Enter
8 Menu	18 Esc
9 Search	
10 Direction Keys	

Rear Panel



1 LAN 10/100/1000M (RJ-45)	9 Main Monitor Audio Out
2 Alarm I/O, RS-485 & Audio In	10 Call Monitor Audio Out
3 Main Monitor – BNC	11 Power Jack
4 Call Monitor – BNC	
5 Video In– BNC	
6 USB 2.0 Port	
7 Main Monitor – Digital Output	
8 Main Monitor – VGA	

Dimensions

