

DVR100-004

4CH H.264 Digital Video Recorder



4CH, H.264, quadplex, Full HD 1080p output, GUI, dual stream, Linux, USB, motion detection, mobile support

The DVR100-004 is an integrated digital video recorder designed for small to medium scale security projects. The 4-channel 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 2 internal 3.5" SATA HDDs or DVD-RW drives, which offer adequate storage capacity or data backup for recorded video archive. The DVR also comes with 2 USB2.0 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

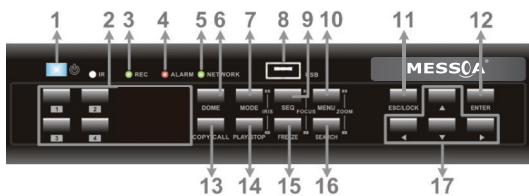
The resolution, bit rate, frame rate, and other parameters of the output streams can be individually set to meet various requirements as the video feeds are recorded, managed or transmitted, enabling the user to adjust the stream settings in the most efficient manner to ensure optimized video surveillance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

Specifications

Video		
Operating System	Embedded (Linux)	
Input	BNC × 4, 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 × 4, 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
	720x240	Max 120 pps
	360x240	Max 120 pps
	PAL 720x576	Max 100 pps
	720x288	Max 100 pps
Recording Quality	360x288	Max 100 pps
		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 bays (for HDD or DVD+RW)	
Cartridge / DVD-RW Drive	Optional	

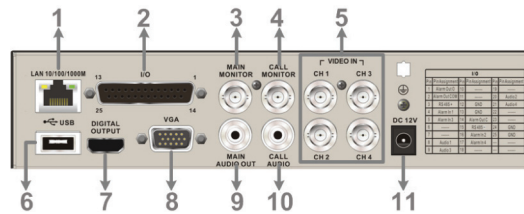
Export	2 USB 2.0 Ports (supports ThumbDrive or DVD+RW)
Alarm	
Alarm Input	DSUB-25 , 4 x TTL-In
Alarm Relay Output	DSUB-25 , 1 x N.C.-COM-N.O. , 1.0A / 30 VDC or 1.0A / 120 VAC
Alarm Detection	N.C. / N.O., Programmable
Motion Detection	16 × 12 Grid Array, Sensitivity, Trigger level adjustable
Video Loss 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 Dimensions (W × H × D)	316 × 218 × 49mm (12.44 × 8.58 × 1.93 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: DVR100-004-N; PAL: DVR100-004-P

Front Panel



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

Rear Panel



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|---------------------------------|---------------------------|
| 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

