DVR200-004

4CH H.264 D1 Real-time Digital Video Recorder

4CH, H.264, quadplex, D1 realtime recording, Full HD 1080p output, GUI, dual stream, Linux, USB, motion detection, mobile support

The DVR200-004 is an integrated H.264 digital video recorder (DVR) designed for small to medium scale security projects. Capable of real-time recording at up to D1 resolution, 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, high-performance 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 storage supports up to 2 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 DVR200 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)
Display Resolution		1024x768, 1280x1024, 1920x1080p
Input		BNC×8, 1.0 Vp-p, 75 ohm
Main Output	Digital Display Output / VGA	1024x768, 1280x1024, 1920x1080p
	Main Monitor	BNC × 1, 1.0 Vp-p, 75 ohm
Call Monitor		BNC × 1, 1.0 Vp-p, 75 ohm
Video Looping		N/A

Audio

Input		RCA x 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
	360x288	Max 100 pps
Recording Quality		8 Levels Presets, Adjustable
Image Size		8 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)
Cartridge / DVDRW	Optional
Export	2 USB 2.0 Ports (support ThumbDrive or DVD+RW)

Alarm

Alarm Input	4 x Terminal Block (TTL)
Alarm Relay Output	3 Terminal Block, 1.0A / 30 VDC or 1.0A / 120VAC
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	Terminal Block
RS-232C	D-SUB for POS applications
IR Remote	Yes
Dome Camera Control Protocol	DSCP, Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, JVC

General

Unit Dimensions (W × H × D)	437 × 373 × 56 mm (17.2 × 14.7 × 2.2 inches)
Unit Weight	5.5 Kg (12.1 lbs)
Package Dimensions (W × H × D)	510 × 450 × 135 mm (20 × 17.7 × 5.3 inches)
Package Weight	6.1 Kg (13.4 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: DVR200-004-N; PAL: DVR200-004-P

Front Panel
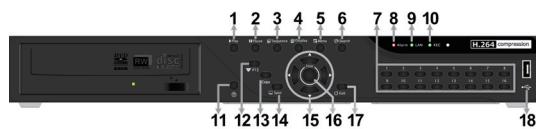
1 Play	11 Power
2 Pause	12 Dome Control
3 Sequence	13 Copy
4 Display	14 Spot
5 Menu	15 Direction Keys
6 Search	16 Enter
7 Channel Keys	17 Exit
8 Alarm LED	18 USB 2.0 Port
9 Network LED	
10 Record LED	

Rear Panel
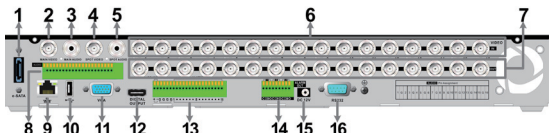
1 eSATA Port	9 LAN 10/100/1000M (RJ-45)
2 Main Monitor – BNC	10 Call Monitor Audio Out
3 Main Monitor Audio Out	11 USB 2.0 Port
4 Spot Monitor – BNC	12 Main Monitor – VGA
5 Spot Monitor Audio Out	13 Main Monitor – Digital Output
6 Video In (BNC)	14 Alarm Outputs
7 Video Out (BNC)	15 Power Jack
8 Audio In	16 RS232

Dimensions

437mm (17.2")

56mm (2.2")