

RT4 SERIES 4 Channel Real-Time Networkable DVR

SECURITY SIMPLIFIED

The RT4/RT4DVD series of DVR's are perfect for applications requiring Real-Time recording. These DVR's record at 30FPS per channel for smooth video playback and use MPEG-4 compression for efficient, high quality storage. Both models let you view, playback and record simultaneously. The included network feature allows you to view cameras from any internet connection with the included software or via IE browser. Built-in adjustable motion saves hard disk space by recording only when motion is detected. The RT4DVD can use either USB or DVD-R/W to make archiving fast and easy. The ARM RT4/RT4DVD series is feature packed with:

- Up to 120FPS Real-Time Recording
- Up to 750GB Storage
- Triplex Operation
- Networkable (IE Browser or Software)
- MPEG-4 Compression
- Motion Detection

Capture Video As It Happens In Real-Time

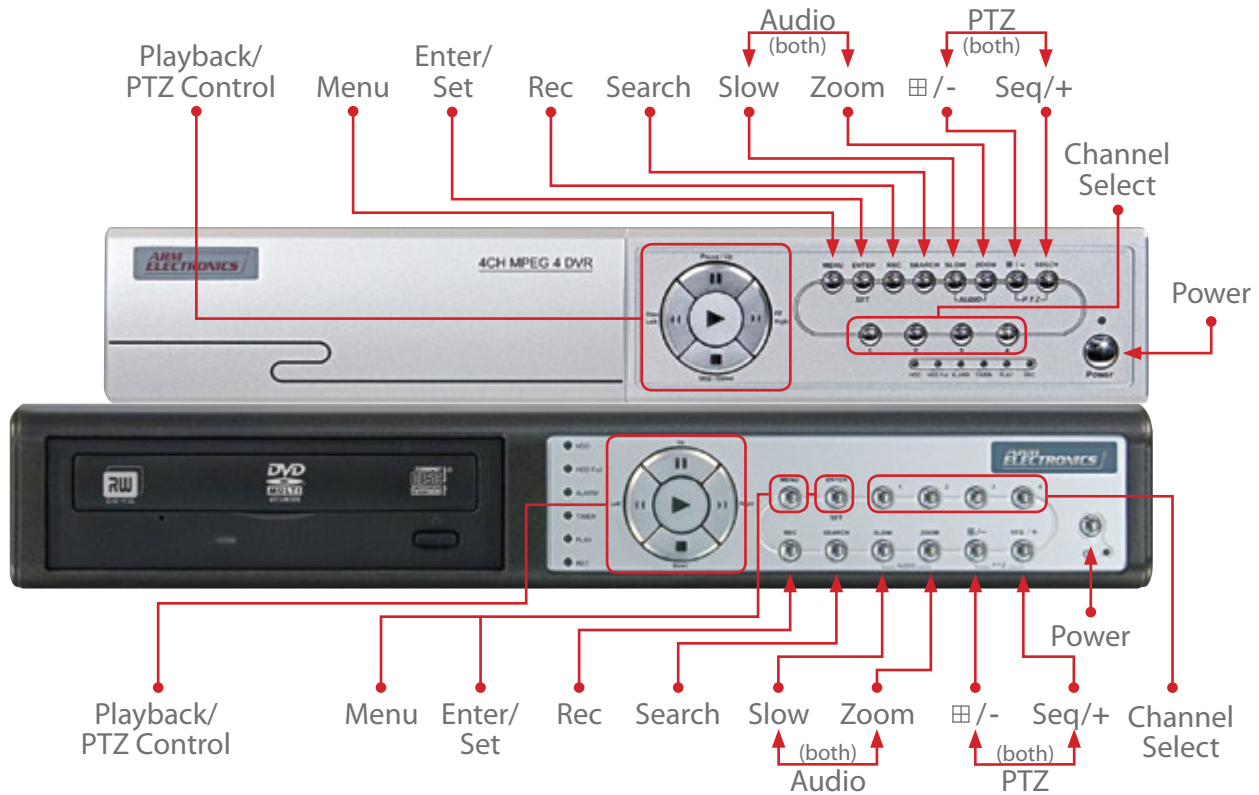


*Monitor Shown is ARM LCD1520HG
with RT4DVD Remote Software.
Monitor not included.*

RT4 SERIES 4 Channel Real-Time Networkable DVR



FEATURES + BENEFITS | FRONT PANEL DEFINITIONS



HIGH PERFORMANCE

Triplex Operation

View, record, playback and remotely monitor all at the same time.

Up to 120 FPS Recording

Record up to 120 FPS simultaneously across 4 channels for high quality Real-Time video.

MPEG-4 Compression

Tight compression format gives you the ability to maximize the number of days you can store video.

Up to 750GB Storage

Three internal hard drive bays allows for long-term storage.

Motion Detection

Maximize your storage by only recording video when motion is detected.

CONVENIENCE

Easy Archiving

Quickly offload archived video via USB 2.0 or DVD-R/W. (DVD model only)

Multiple Backup File Format

Included backup player allows you to choose between proprietary or common AVI backup formats when creating DVD backup.

Built-in PTZ Control

Effortlessly control PTZ cameras without the need for external controllers.

Multiple Recording Modes

Set your DVR to record manually, by timer, motion, alarm or even remotely.

IR Remote Control

Control all DVR functions using the included IR remote control. (DVD model only)

TOTAL SECURITY

Advanced Protection

Multiple passwords support various levels of user access.

Image Authentication

Recorded video contains watermarks and is therefore un-alterable.

Linux-Based OS

Embedded operating system is virtually immune to common PC based viruses.

Alarming

Integrated alarming inputs for external devices including door-locks, sirens, PIR detectors, etc.

Covert Recording

Mask a live view image on the monitor with a blank screen and still be recording video.



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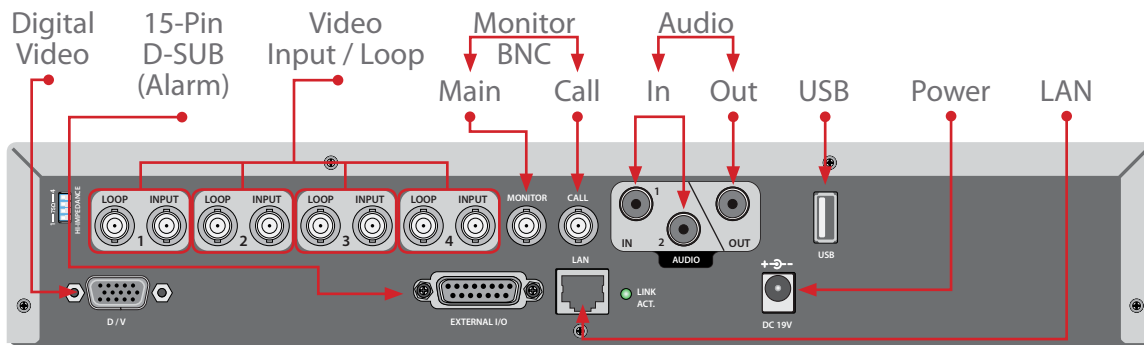
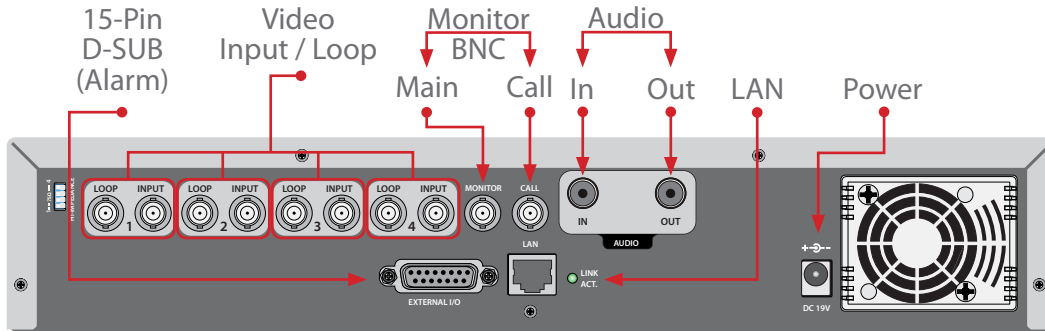


HARD DRIVE OPTIONS | REAR PANEL DEFINITIONS | ACCESSORIES



HD Size	4 Channel 120FPS	4 Channel / DVD-R/W 120FPS
250GB	RT4250	RT4250DVD
500GB	RT4500	RT4500DVD
750GB	RT4750	RT4750DVD

REAR PANEL DEFINITIONS



INCLUDED ACCESSORIES

All Units Include:

- (1) Power Supply
- (1) Power Cord
- (1) Software CD
- (1) Quick Set-up Guide
- (1) User Manual
- (1) D-Sub PIN Connector
- (1) Blank Disc (RT4DVD)
- (1) Remote Control (RT4DVD)
- (1) IR Line Extender (RT4DVD)
- (2) AAA Batteries (RT4DVD)



RECOMMENDED ACCESSORIES



CBL3BNC
3' BNC Cable
Also Available in
6', 25', 50' and 100'



VCCORD
1000' Twisted Pair
Video Balun with
15' BNC Cable



CSP1
5AMP Max Current
Coaxial Surge
Protector



LCD1920HG
19" LCD Monitor
Also Available
in 15" and 17"



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TECHNICAL SPECIFICATIONS

	SPECIFICATIONS	4 Channel 120FPS	4 Channel / DVD-R/W 120FPS
VIDEO	Operation System	Embedded (Linux)	
	Video Standard	NTSC	
	Video Operation	Triplex, (Live, Record, Playback, Remote Internet Access)	
	Resolution-Live Video	NTSC 720x480	
	Video Input	BNC x 4 Channel, 1.0Vp-p / 75ohm	
	Outputs: Main Monitor	BNC x 1, 1.0Vp-p / 75ohm	
	Call Monitor	BNC x 1, 1.0Vp-p / 75ohm Dwell Time (2, 4, 8, 16 sec.)	
	Loop	BNC x 4 Channel, 1.0Vp-p / 75ohm	
	VGA Output	n/a	
	Picture Refresh Rate	Real-Time for All Channels	
	Display Mode	(1, 4)	
	Digital Zoom	2X Live View	
Camera Installation	Plug and Play		
AUDIO	Input	RCA x 1, Line-In	RCA x 2, Line-In
	Output	RCA x 1, Line-Out	RCA x 1, Line-Out
	Recording Mode	Real-Time Recording	
	Data Rate	120kb/sec	
	Operation	Front Panel	Front Panel / IR Remote
	Playback	Only for Playback Video at Original Speed	
RECORDING	Compression Method	MPEG-4: Recording and Playback / MJPEG: Transmission Via Network	
	Recording Mode	Manual / Timer / Motion / Alarm / Remote	
	Pre-Alarm Recording	Yes (8MB)	
	Resolution/Frame Rate Full D1 – 720x480	30 FPS	
	CIF – 360x240	120 FPS	
	Recording Quality	4 Levels (Best, High, Normal, Basic)	
	Image Size	12-26KB/second 352x240	
Storage Mode	Linear / Circular		
PLAYBACK	Playback	Play, Stop, Pause, Rewind, Fast Forward, Search	
	Playback Speed Adjust	4X, 8X, 32X (Fast Forward or Rewind)	
	Retrieve	Full List, Event List, Motion List, Time/Day List, Alarm List	
STORAGE	Built-in Storage	N/A	DVD-R/W
	Built-in Hard Drive	Single Hard Drive Bay	
	Export	Network	Network, DVD-R/W x (1), USB 2.0 x (2)
ALARM	Alarm Input	4 Channel	
	Alarm Detection	N.O. / N.C. 1 Output	
	Auditory Alert	Built-in Buzzer	
	Motion Detection	16 x 12 Grid/Camera for All Channels	
	Video Loss Detection	Built-in Buzzer	
	Alarm Relay Output	15-PIN D-SUB (External Alarm, PTZ Camera, etc)	
COMMUNICATION	Network Connectivity	10/100 Base-T Support Remote Control and Live View via Ethernet	
	Remote Control Software	Included	
	Access Control	Multiple Level Password Protection	
	Remote Operation	Monitor, Playback, Recording, System Set-up, PTZ Control, Archive	
	RS232C	Alarm In/Out 15-PIN DSUB	
	RS485	15-PIN DSUB	
	Dome Control Protocol	Pelco D	
GENERAL	Unit Dimension (WxHxD)	13.12" (W) x 2.75" (H) x 9.25" (D)	14.75" (W) x 2.75" (H) x 11.12" (D)
	Unit Weight	6.45 LBS	10.35 LBS
	Package Dimension (WxHxD)	16" (W) x 4.75" (H) x 13.06" (D)	20.5" (W) x 5.25" (H) x 14.25" (D)
	Package Weight	7.75 LBS	12.2 LBS
	Operating Temperature	50°F - 104°F	
	Relative Humidity	Less than 90%	
Power Consumption & Input	19VDC < 42W		

