ADT VIDEO SERVICES COMPLIANT

8 & 16 Channel, Triplex Digital Video Recorders with DVD-RW

KEY FEATURES AND BENEFITS

- 8- and 16-channel looping BNC inputs

- 4-channel audio recording / 1-channel audio playback

- Real-Time 240/480 images/second, triplex operation

- Selectable CIF, 2CIF, D1 record resolution

- Internal DVD-RW and two USB 2.0 ports

- Concurrent BNC / VGA video outputs and 1 spot monitor output

- IR remote and USB mouse included

- Powerful search modes by calendar, time-date, event, motion, museum

- 2X Digital Zoom, 1-Touch / 2-Touch Clip/Copy archiving (compressed video image files)

- Copied video includes an executable "player" software program for controlled playback

- Temperature Check, SMART Diagnosis, Auto Recovery, Auto Deletion

- Programmable Video Motion Detection (VMD) per channel

- Multiple recording modes -Time-Lapse, Alarm, Event, Pre-event, Panic and Continuous

- Programmable record options -Schedule, Record Rate, Image Quality and Resolution for each input

- Up to 30 second pre-event and 15 minute post event recording

- Remote Administration Software (RASPlus) features Monitoring, Playback, Recording, Setup, PTZ, Upgrade, Status with full Triplex operation, (User defined 64-channel view), Map integration, Multi-Site System Health Monitoring with user defined customizable panel design

- Immix® by SureView Compatible

ORDERING INFORMATION

SCN#	Item
DRC8H-500	8-ch DVR, H.264, 240-ips, IR, mouse, DVD, 500GB
DRC8H-1TB	8-ch DVR, H.264, 240-ips, IR, mouse, DVD, 1TB
DRC8H-2TB	8-ch DVR, H.264, 240-ips, IR, mouse, DVD, 2TB
A-ADT16H-500	16-ch DVR, H.264, 480-ips, IR, mouse, DVD, 500GB
A-ADT16H-1TB	16-ch DVR, H.264, 480-ips, IR, mouse, DVD, 1TB
A-ADT16H-2TB	16-ch DVR, H.264, 480-ips, IR, mouse, DVD, 2TB

ADT Business Solutions

8 & 16 Channel, Triplex Digital Video Recorders with DVD-RW

Product Specifications

Video

Video Input	8-, 16-BNC looping inputs, auto terminating
Main Monitor Output	BNC Composite: 1 output VGA: 1 output
Spot Monitor	BNC Composite: 1 output
Display Mode (main)	1, 4, 1+5, 1+7, 9, 16, Sequence, PIP, and Digital 2X Zoom
Display Mode (spot)	Full-screen, Sequence
Display Resolution	720 x 480 NTSC
Record Resolution	CIF: 352 x 240, 2CIF: 704 x 240, D1: 704 x 480
Record/Playback Rate	480/480 ips 16 Channel (CIF)
	240/240 ips 16 Channel (2CIF)
	120/120 ips 16 Channel (D1)
	240/240 ips 8 Channel (CIF)
	120/120 ips 8 Channel (2CIF)
	60/60 ips 8 Channel (D1)
	Guaranteed Full-Duplex – no record rate reduction
Compression	H.264 - ISP Technology
Operating System (OS)	Embedded Linux
Storage	Max 2 HDD with DVD-RW
Data Export Medium	Internal DVD-RW , USB (HDD, CD-RW, Flash-Drive), IDE (CD-RW, DVD-RW)
Alarm Inputs	8/16 TTL, NC or NO, push terminal
Alarm Outputs	2 Relay Out, terminal block
Alarm Reset	1 TTL w/ground, terminal block
Network Interface	RJ-45 Network Interface card, 10/100 Base T Ethernet
Network Protocols	Static IP, ADSL, DHCP, DVRNS (Enhanced DDNS)
Remote Connections	Admin: 2 / Watch 10 / Search: 2
Remote Software	Immix® by SureView Compatible
	Webguard: Monitoring, Playback, Recording, Setup, PTZ, Upgrade, DVR Status
	RASPlus: Triplex operation, (User defined 64-channel view), Map integration, Multi-Site System Health Monitoring
Remote Data Export	Clip-Player, AVI, JPEG, BMP
Remote Transmission Rate	Maximum 60/120-ips, with Bandwidth Control
Serial Connections	RS232C Serial Port I/O Control
	1 – RS485 PTZ Control (two wire half duplex)
Audio Inputs/Outputs	4/1 – line level (RCA connectors)
USB Port	2 USB 2.0 (front)
Dimensions (W x H x D)	16.9" x 3.5" x 15.9" (430mm x 88mm x 400mm), 2U, Rack mount (Hardware Included)
Weight	16.8 lbs. (7.6kg)
Operating Temp	41°F ~ 104°F (5°C ~ 40°C)
Operating Humidity	0% - 90% (non condensing)
Power Requirements	100 – 240 VAC, 1.2 - 0.6 A, 60/50 Hz, 100W
Power Consumption	Max. 45W
Approvals	FCC, UL*, CB, CE, RoHS

*CAUTION: Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions.

Specifications are subject to change without notice.

Front View

① Camera Buttons ② Power LED ③ HDD LED ④ Alarm Out LED
⑤ Network LED ⑥ Clip Copy LED ⑦ Panic Button ⑧ Alarm Button
⑨ Clip Copy Button ⑩ Zoom/PTZ Button ⑪ Display/SPOT Button
⑫ Group/Sequence Button ⑬ Playback Button ⑭ Menu/Cameo Button
⑮ Arrow Buttons ⑯ Play/Pause Button ⑰ USB Connector

*Select camera buttons (1-16) to view individual cameras full screens.

Rear View

① Video Input ② Video Loop Through ③ RS485 Port ④ Alarm In/Out
⑤ Network Port ⑥ RS232C Port ⑦ Audio In/Out ⑧ Video Out
⑨ Factory Reset Switch ⑩ Power Cord Connector

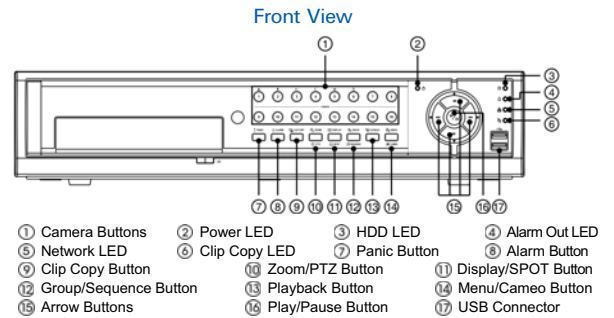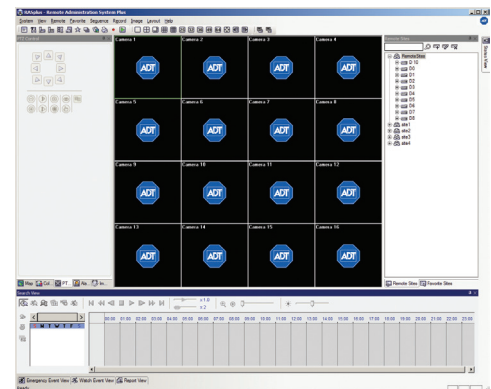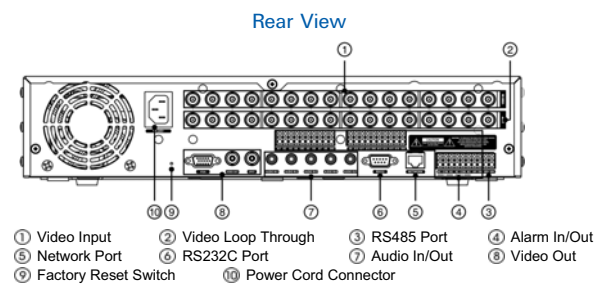RASPlus Client Software

Storage Duration

The DRC8H records up to 240 images per second and the A-ADT16H records up to 480 images per second at CIF resolution (30-ips per channel). The tables illustrate a typical recording duration for CIF, 2CIF and D1 record resolutions with a single video input, with continuous video recording on a 500-GB hard disk drive. The actual storage duration will vary depending on the number of cameras recorded, the image quality selected, the recording speed, recording schedule, motion content of the images and the number of stored events.

500-GB HDD

CIF (ips)	Basic Days	Standard Days	High Days	Very High Days
30	96.5	48.2	32.2	24.1
20	144.7	72.3	48.2	36.2
15	192.9	96.5	64.3	48.2
5	578.7	289.4	192.9	144.7
1	2893.5	1446.8	964.5	723.4

500-GB HDD

2CIF (ips)	Basic Days	Standard Days	High Days	Very High Days
20	72.3	36.2	24.1	18.1
15	96.5	48.2	32.2	24.1
10	144.7	72.3	48.2	36.2
5	289.4	144.7	96.5	72.3
1	1446.8	723.4	482.3	361.7

500-GB HDD

D1 (ips)	Basic Days	Standard Days	High Days	Very High Days
20	36.2	18.1	12.1	9
10	72.36	36.2	24.1	18.1
5	144.7	72.3	48.2	36.2
1	723.4	361.7	241.1	180.8

Storage is for one input; divide by number of cameras used.

For more information visit www.ADT-Matrix.com

ADT Business Solutions