

REAL-TIME H.264 8/16-CHANNEL DVR WITH DVD-RW

FALCON HDR

FA-HDR8 FA-HDR16

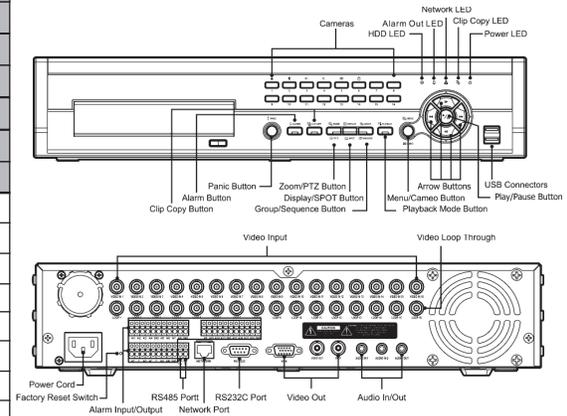


- ▶ 8- and 16-Channel Looping BNC Inputs
- ▶ 500-GB HDD, up to 6TB Hard Disk Drive Options
- ▶ Built-in DVD-RW Archiving
- ▶ Two USB 2.0 I/O Ports (Mouse Capabilities / USB HDD / CDRW / DVDRW / Thumb Drive)
- ▶ 4-Channel Audio Recording / 1-Channel Audio Playback / 2-Way Audio Capabilities to Remote PC
- ▶ 240/480-ips (Images per Second) Triplex Operation
- ▶ Selectable (CIF, 2CIF, D1) Record Resolution
- ▶ Concurrent BNC / VGA Video Outputs with Multiple Display Formats (1, 2x2, 1+5, 1+7, 3x3, 4x4, PIP)
- ▶ 1-Spot Monitor Output for Full-Screen or Camera Sequencing
- ▶ Intuitive Graphical User Interface (GUI) Menu System
- ▶ Multiple Recording Modes -Time-Lapse, Alarm, Pre-event, Panic and Continuous
- ▶ Programmable Record Options -Schedule, Record Rate, Image Quality for each Input
- ▶ Up to 30 Minute Pre-event / 15 Minute Post Event Recording
- ▶ Programmable Video Motion Detection (VMD) and Video Obscuration Detection (VOD) Per Channel
- ▶ Powerful Search Modes: Calendar, Time-Date, Event, Motion, Museum, POS Text-In
- ▶ 2X Digital Zoom, 1-Touch / 2-Touch Clip/Copy Archiving (Compressed Video Image Files)
- ▶ Archived Video (Clip Copy) Played back using Executable "Player" Software Program is Watermarked for Video Authentication
- ▶ Temperature Check, SMART Diagnosis, Auto Recovery, Auto Deletion
- ▶ Network Time Sync - Master Server or Slave
- ▶ Key-Lock Security / 256 Individual User Support
- ▶ Remote Management Software (ATVisionPro™) Supports Static-IP, ADSL, DHCP, Dynamic-IP DVRNS (Enhanced DDNS)
- ▶ ATVisionPro™ Features: Live Monitoring, Playback Recording, Setup, PTZ control, Upgrades and Full Triplex Operation, (User Defined 64-Channel View), Map Integration, Multi-Site System Health Monitoring with User Defined Customizable Panel Design
- ▶ PTZ Control – More than 50 Specific Protocols including but not limited to Pelco D, Spectra, Fastrax 2
- ▶ Blackberry, iPhone, Windows Mobile and Android Compatible

SPECIFICATIONS

MODEL		
FA-HDR8-500	Falcon HDR 8-channel, 500GB, DVD-RW	
FA-HDR8-1TB	Falcon HDR 8-channel, 1TB, DVD-RW	
FA-HDR8-xTB (x=2-6)	Falcon HDR 8-channel, 2-6TB, DVD-RW	
FA-HDR16-500	Falcon HDR 16-channel, 500GB, DVD-RW	
FA-HDR16-1TB	Falcon HDR 16-channel, 1TB, DVD-RW	
FA-HDR16-xTB (x=2-6)	Falcon HDR 16-channel, 2-6TB, DVD-RW	
POWER	Power Source	100 – 240 VAC, 4-2A, 60/50 Hz
	Power Consumption	100 Watts
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, 2x2, 1+5, 1+7, 3x3, 4x4 Sequence, PIP, and Digital 2X Zoom
	Display Mode (Spot)	Full-Screen, Sequence
	Display Resolution	720 x 480 NTSC
	Record Resolution	CIF, 2CIF, D1
	Playback/Record Rate	240/480 Images/Second (CIF) 120/240 Images/Second (2CIF) 60/120 Images/Second (D1) Guaranteed Full-Duplex – no Record Rate Reduction
	Compression	H.264
	Operating System (OS)	Embedded Linux
	Storage	3 HDD (Max 4 HDD w/o DVD-RW)
	Data Export Medium	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, Push Terminal
	Alarm Reset	1 TTL w/Ground, Push Terminal
	Network Interface	RJ-45 Network Interface Card 10/100 Base T Ethernet RS232C Serial Port I/O Control
	Network Protocols	Static IP, ADSL, DHCP, DVRNS (Enhanced DDNS)
Remote Connections	Admin: 2 / Watch 10 / Search: 2	
Remote Software	Basic: Monitoring, Playback, Recording, Setup, PTZ, Upgrade, DVR Status Advanced: 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-ips, with Bandwidth Control	
CONNECTOR	PTZ Control	1 – RS485 Serial Connection (Two Wire Half Duplex), Push Terminal
	Audio Inputs/Outputs	2/1 – Line Level (RCA Connectors)
	USB Port	2 – Type 2 Version 2.0 (2 on Front)
	Dimensions (W x H x D)	16.9" x 3.5" x 15.9" (430mm x 88mm x 405mm), 2U, Rack Mount
	Weight	16.8 (7.6kg)
	Operating Temp	41°F ~ 104°F (5°C ~ 40°C)
	Operating Humidity	0% - 90% (Non-Condensing)
Conformity Certifications	FCC, CE, UL, RoHS, CB	

DIMENSIONS



STORAGE DURATION

The FA-HDR8 with 500GB HDD records up to 240/480 images per second at standard resolution (30-ips per channel) and the tables illustrate a typical recording duration for CIF, 2CIF and D1 record resolutions with a single video input, with continuous video recording and no audio for the recorder with 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.

ACCESSORIES

XBLBB2 Lock Box, Black