

Advanced Technology Video, Inc.



Real-Time H.264 Compact 4-Channel DVR

- Four channel Digital Video Recorder with four channels of audio
- Built in Web Server allows Remote Connection through a web-browser e.g. Internet Explorer v6.0 or higher
- Real Time Recording with H.264 compression
- Records up to 120 images per second
- Selectable record resolution (CIF, 2CIF, 4CIF)
(120-ips, CIF resolution)
(60-ips, 2CIF resolution)
(30-ips, 4CIF resolution)
- Variable recording speed and quality selectable by camera
- Time-lapse, event and pre-event recording selectable by camera
- User friendly graphical user interface (GUI) with PTZ control (RS-485)
- Integrated (2.0) USB port for image archiving
- Video and VGA concurrent monitor outputs
- IR remote control included
- Integrated point-of-sale (POS) interface
- Quad, full screen and sequential camera views with built-in 2x zoom
- Remote monitoring using TCP/IP
- Built-in motion detection, RS-232 text-in, alarm-in and video-loss alarm inputs
- Powerful search function for calendar, date / time, event, and POS query
- Key-Lock security / 256 individual users
- Chained fingerprint encryption
- Callback (TCP/IP), pager function, or SMTP email
- Compact size - less than 2" tall

FA-HDR4 Specifications

MODELS

FA-HDR4-500

Falcon HDR Series DVR, 4-Ch, 500GB HDD,
Networkable, 120/60/30 ips

FA-HDR4-1TB

Falcon HDR Series DVR, 4-Ch, 1TB HDD

ACCESSORIES

XDLBB Lock Box
RM-SDR402 IR Remote Control (Supplied)

VIDEO

Signal Format NTSC or PAL (auto detect)
Video Input Composite: 4 looping inputs
Monitor Outputs Composite: One (BNC), 1 Vp-p, 75 Ohms
Analog RGB: One VGA
Display Resolution 720x480 (NTSC)
Record Resolution CIF, 2CIF, D1
Playback/Record Speed 120ips (standard resolution)
(images per second) 60ips (high resolution)
30ips (very high resolution)

INPUTS/OUTPUTS

Alarm Input 4 TTL, NC/NO programmable,
4.3V threshold
Alarm Output 1 relay out, terminal block, NC&NO,
0.5A @ 125VAC, 1A @ 30VDC
Alarm Reset Input 1 TTL, terminal block
Internal Buzzer 80db at 10cm
Network Connectivity 10/100 Base Ethernet
Audio Input 4 line level
Audio Output 1 line level

CONNECTORS

Video Input Composite 4 BNC
Video Loop Composite 4 BNC
Monitor Output Composite 1 BNC (selectable CVBS - VGA)
Monitor Output VGA 1 VGA; 15 pin D
Audio In 4 RCA connector
Audio Out 1 RCA connector
Alarms Terminal block
Alarm Reset In Terminal block
Ethernet Port RJ-45
RS-232C Serial Port DB9 (P)
RS-485 Serial Port Terminal block
USB Port 1 front panel (USB 2.0)
IR Port 1 remote control

STORAGE

Primary Storage 1 HDD
Backup Storage USB (HDD, CD-RW, Flash Drive)

GENERAL

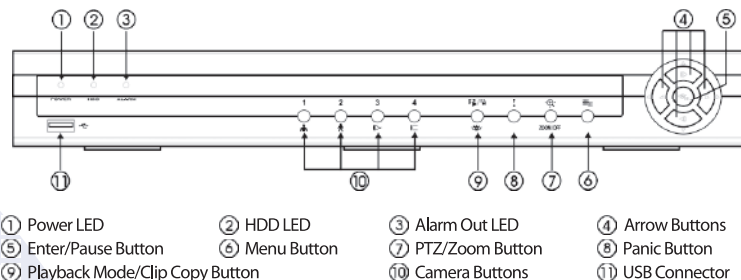
Dimensions 13.38" x 1.81" x 12.20"
(340mm x 46mm x 310mm)
Unit Weight 7.05 lbs. (3.2kg)
Shipping Weight 9.7 lbs. (4.4kg)
Shipping Dimensions 18.1" x 6.2" x 16.1"
(460mm x 158mm x 410mm)
Operating Temperature 41°F to 104°F (5°C to 40°C)
Operating Humidity 0% to 90%
Power 100-240 VAC, 0.6A, 50/60Hz

APPROVAL

UL, CB, CE, FCC, MIC

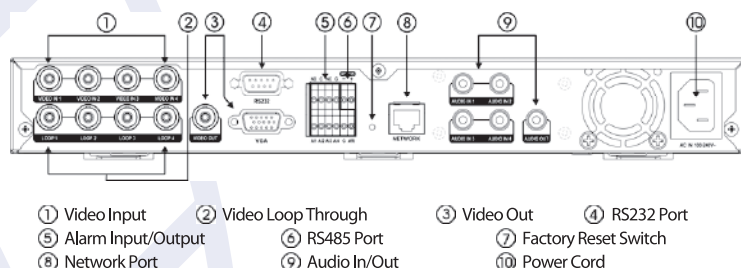
Specifications subject to change without notice.

Front Panel



*Select camera buttons (1-4) to view cameras.

Rear Panel



Storage Duration

The FA-HDR4 with 500GB HDD records up to 120 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 Record Rate (ips)	Image Quality settings @ CIF Resolution			
	Basic	Standard	High	Very High
	days	days	days	days
30	96.5	48.2	32.2	24.1
15	96.5	48.2	24.1	16.1
5	289.4	144.7	72.3	48.2
1	1446.8	723.4	361.7	241.1

500-GB HDD Record Rate (ips)	Image Quality Settings @ 2CIF Resolution			
	Basic	Standard	High	Very High
	days	days	days	days
15	48.2	24.1	12.1	8
10	72.3	36.2	18.8	12.1
5	144.7	72.3	36.2	24.1
1	723.4	361.7	180.8	120.6

500-GB HDD Record Rate (ips)	Image Quality Settings @ D1 Resolution			
	Basic	Standard	High	Very High
	days	days	days	days
7.5	45.2	22.6	11.3	7.5
5	72.3	36.2	18.1	12.1
1	361.7	180.8	90.4	60.3

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



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