# >>>REAL-TIME H.264 16-CHANNEL DVR WITH DVD-RW
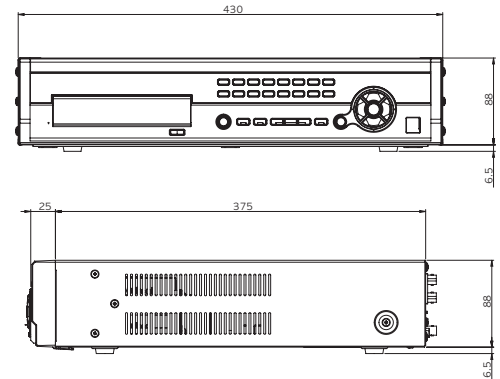
## FALCON HDR
# FA-HDR16

> 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

> 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

> 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

> Powerful Search Modes: Calendar, Time-Date, Event, Motion, Museum, POS Text-In

> Archived Video (Clip Copy) Played back using Executable "Player" Software Program is Watermarked for Video Authentication

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

> 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

> Blackberry, iPhone, Windows Mobile and Android Compatible

## SPECIFICATIONS

| MODELS | FA-HDR16-500<br>FA-HDR16-1TB<br>FA-HDR16-xTB (x=2-6) |
|---|---|
| **POWER** | |
| Power Source | 100 – 240 VAC, 4-2A, 60/50 Hz |
| Power Consumption | 45 Watts |
| | |
| **VIDEO** | |
| Video Input | 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 | 480 Images/Second (CIF)<br>240 Images/Second (2CIF)<br>120 Images/Second (D1)<br>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 | 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<br>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<br>Advanced: Triplex Operation, (User Defined 64-Channel View),<br>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 | 4/1 – 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 94.5mm x 402mm), 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 |

## ACCESSORIES

XBLBB2    Lock Box, Black

## DIMENSIONS



430

88

6.5

25    375

88

6.5

### STORAGE DURATION

The FA-HDR16 with 500GB HDD records up to 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.

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