



# EPHD04

## 4 Channel, 120 FPS HDcctv DVR

### Features

- MobileFocus: Supports iPhone®/iPad®/Android™/Blackberry®\*
- Recording: HD Virtual Real Time 15 FPS @ 1080p; Real Time 30 FPS @ 720, EPHD04 30 FPS Real Time
- Dual Stream Controls: Record at a higher resolution but view at a lower resolution online/mobile device for faster viewing
- 2x, 4x, 8x, 16x zoom on local and remote live & playback
- Independent Ch Controls: Frame Rate/Resolution/Record Quality
- Recording resolution can be changed at different times of the day via scheduling
- Simultaneous Pentaplex Operation at DVR & Online: Live/Recording/
- H.264 Compression for efficient disk and network utilization
- FREE DDNS Service Hosted by EverFocus for EASY Networking
- Main Monitor: Simultaneous Viewing at 1920 x 1080 on HDMI and VGA
- Built-in DVD burner
- Supports External Hard Drive Storage via eSATA
- Per-Camera Audio Channels
- Multiple control inputs: mouse/front panel/IR remote controller/EKB500 keyboard
- User Friendly GUI with graphical icons and visual indicators
- Local & Remote On-Screen PTZ Control
- Built-in recording calculator estimates storage capacity based on settings
- Smart Search: quickly identify motion in areas of interest from recorded video
- Event Search: Search date/time by an event (alarm, motion, video loss)
- Express Playback & Search: Point, Click, Drag playback bar for Instant Viewing
- Express Setup: A unique menu option for quick & easy installation
- 3 different administration levels to restrict or allow access to DVR controls (DVR/Online Interface)
- Online Web interface: Allows 10-users to simultaneously view online from a browser
- Rack Mountable (19") includes Rack Ears
- IR Remote & USB Mouse included
- Raid

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| <b>HDcctv Camera Video Inputs</b>                        | 4 BNC connectors  |
| <b>Recording &amp; Playback Max Rate/Resolution</b>      | 120FPS @ 1080p - 30 NTSC / 25 PAL (per channel)<br>120FPS @ 720p - 30 NTSC / 25 PAL (per channel)   |
| <b>Video Format</b>                                      | NTSC/PAL Auto detected by System  |
| <b>Main Stream</b>                                       | 1920x1080 1080HD (2,073,600 pixels)<br>1280x720 720HD (921,600 pixels)<br>860x480 16:9 WVGA (412,800 pixels)<br>640x360 16:9 VGA (230,400 pixels) |
| <b>Sub Stream</b>  | 640x360 (230,400 pixels)<br>428x240 (102,720 pixels)  |
| <b>Recording Compression Format</b>                      | H.264 main stream; H.264/MJPEG sub stream   |
| <b>Dual Streaming</b>                                    | On demand reduced bandwidth control for live and playback over the network  |
| <b>Pentaplex Operation</b>                               | Simultaneous Live, Recording, Playback, Archive and Remote Viewing  |
| <b>Video Output</b>                                      | HDMI Main Monitor: 1080p,<br>Independent Multiplex Call Monitor: 1920x1080 VGA  |
| <b>Audio Input/Output</b>                                | 4 Inputs / 1 Output Line Level RCA Connectors   |
| <b>Recording Mode</b>                                    | Manual, Schedule and Event  |
| <b>Schedule Settings</b>                                 | Express and Advanced Modes  |
| <b>Playback Search</b>                                   | Date/Time Search, Event Search, Smart Search, Snapshot Search   |
| <b>Alarm In</b>  | 4 Alarm Inputs  |
| <b>Alarm Out</b>   | 2 Alarm Outputs – Form "C" rated at 30VDC, 1A   |
| <b>Video Pause</b>                                       | Yes   |
| <b>Video Loss Detection</b>                              | Yes   |
| <b>Motion Detection</b>                                  | Yes   |
| <b>Event Log</b>   | Yes   |
| <b>Watch Dog Timer</b>                                   | Yes   |
| <b>Internal HDD</b>                                      | 2 Internal 3.5" SATA HDD; 3Tb each supported  |
| <b>RAID Data Protection/ Internal HDD Configurations</b> | RAID1 (mirroring); Linear storage or RAID0 (no data protection)   |
| <b>External HDD</b>                                      | 1 eSATA Linear Storage (optional EDA450 supports up to 4 HDD)   |
| <b>Max Total Combined HDD Size</b>                       | Up to 18Tb  |
| <b>Built-in DVD Burner</b>                               | DVD+RW Slim Type SL DVD Burner, (use 4X media or higher)  |
| <b>User Interface</b>                                    | GUI (Graphical User Interface – mouse supplied), Front Panel Buttons w/ Jog/Shuttle, Web UI; IR Remote Control (supplied)                         |
| <b>OS</b>  | Embedded Linux  |
| <b>RAM</b>   | 2Gb   |
| <b>Network Connectors</b>                                | Dual RJ-45 1 Gigabit/second   |
| <b>Network/Protocols</b>                                 | Gigabit Ethernet; TCP/IP / DHCP / PPPoE / DDNS / UDP / SMTP / SSL / RTP / RTSP / NTP  |
| <b>USB</b>   | 2 Front Panel USB 2.0 ports   |
| <b>User Access</b>                                       | 3 Levels of User Access Support   |
| <b>RS-232</b>  | 9-pin D-Sub socket (male)   |
| <b>RS-485</b>  | 1 RS485 (3 Terminal connector)  |
| <b>Power Source</b>                                      | Supplied adapter accepts 100~240VAC, converts to 12VDC @60W max. with 2 x HDD   |
| <b>Dimensions (L x W x H)</b>                            | 12.44" x 8.42" x 3.89" / 316 x 214 x 99 mm  |
| <b>Weight</b>  | 2.73Kg/6 lbs without HDDs   |
| <b>Operating Temperature</b>                             | 0°C~40°C / 32°F~104°F (20~80% humidity)   |
| <b>Certifications</b>                                    | CE, FCC, UL   |
| <b>Supported PTZ Protocols</b>                           | EverFocus, Pelco D, Pelco P, Samsung, Transparent   |
| <b>Remote Web Access</b>                                 | Full function IE based GUI, Dual stream for bandwidth management, Live, Playback, Archive and Configuration                                       |
| <b>CMS Support</b>                                       | Power Video Plus for Windows<br>CMS for MAC (in beta test)  |
| <b>Smart Phone/Tablet Free App</b>                       | MobileFocus for iOS and Android   |
| <b>Smart Phone/Tablet Multi View &amp; Playback App</b>  | MobileFocus Plus for iPhone and Android   |

### Ordering Information

EPHD04/2: 4 Channel Full HDcctv DVR, 120 FPS, 2 TB

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