PARAGON960 X4

16 Channel Real-Time WD1/960H DVR

PARAGON 960

1080p Full HD | HDMI | RAID | H.264 Compression

Mobile Device | FREE DDNS | Dual Stream | WD1 Real-Time
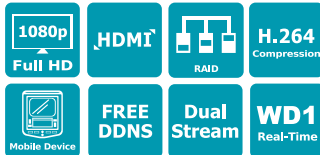
Features

- 16 CH WD1 real-time recording and playback
- WD1 capability provides higher resolution (960x576/960x480) compared to traditional D1 cameras
- H.264 compression format for enhanced recording capacity and improved network image transmission speed
- RAID1 – for full data redundancy
- Multiple Main Monitors: Separately configured HDMI or VGA (1080p) Main monitor outputs
- Call monitor: Sequenced view through composite BNC and HDMI or VGA output with multiplex and sequencing
- High bandwidth WD1 recording (400/480fps) with recordable reduced bandwidth stream for mobile or multiplexed viewing applications
- Free EverFocus DDNS Service – static IP address is not required for reliable remote access
- Supports one eSATA port for external HDD (EDA450)
- Supports live monitoring and playback of video from mobile devices via MobileFocus/ MobileFocus Plus Apps
- Multiple Control Inputs: mouse/front panel/remote controller/EKB500 Keyboard
- Built-in record time calculator for fast recording estimation
- Multiple intelligent video query functionality, including snapshot and smart search
- Powerful archive functionality from both remote and DVR sites
- Simplified access to common features such as setup, archival, playback and search functions through Express menus
- Remote configuration support from built-in web interface
- Dual Gigabit Ethernet interface for remote network viewing and control
- On-screen PTZ control via mouse or front panel
- Built-in DVD burner (Optional)
- Dual USB 2.0 ports for video archive and mouse control
- Integration with PowerVideo Plus
- Multi-language support
- 19" Rack mountable – rack ears included

Specifications

Model Name	PARAGON960 X4
Number of Channels	16 CH
Compression Format	H.264/M-JPEG
Recording Rate/ Resolution (Max)	480 NTSC/400 PAL (WD1), 480 NTSC/400 PAL (4CIF/D1), 480 NTSC/400 PAL (2CIF), 480 NTSC/400 PAL (CIF)
Playback Rate/ Resolution	480 NTSC/400 PAL (WD1), 480 NTSC/400 PAL (4CIF/D1), 480 NTSC/400 PAL (2CIF), 480 NTSC/400 PAL (CIF)
Remote View Support	Remote live view and playback support on various web browsers including Internet Explorer, Chrome, Firefox, Safari. Integrated with PowerVideo Plus CMS.
Mobile View Support	Live view on mobile browsers MobileFocus apps for iOS and Android devices. MobileFocus HD for iPad
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing
Video Inputs	16 BNC (NTSC/PAL automatic selection)
Main Monitor Outputs	HDMI or VGA (selectable)
Call Monitor Output	BNC(Call), VGA or HDMI (selectable)
Looping Output	16
Audio Inputs	4 x RCA socket; Line level
Audio Outputs	2 x RCA socket; Line level
Recording Modes	Manual, Schedule and Event; or, choose Number of Days
Playback Search	Date/Time, Event, Motion in Recorded Video, snapshot by Interval
Alarm Inputs	16 inputs
Alarm Out	4 x relays; 30 VDC@1A rating
Video Pause	Yes
Video Loss Detection	Yes
Motion Detection	Yes
Event Log	Yes
Watch Dog Timer	Yes
Internal HDD	4 Internal SATA HDD
Raid Function	HW RAID 0,1
External HDD	1 x eSATA (EDA450)
Built-in DVD Burner	Slim Type DVD Burner (Optional)
User Interface	GUI(Graphical User Interface)
OS	Embedded Linux
Network/Protocol	2 x Gigabit Ethernet; TCP-IP/DHCP/PPPoE/DDNS/HTTP
Control PTZ via OSD	Yes (via both local and remote interfaces)
USB	2 x USB 2.0 port (on Front Panel)
Schedule Setting	Supports Express and Advanced Schedule Setting
User Access	3 Levels of User Access Defined
RS-232	9-pin D-Sub socket (male)
RS-485	1 x RS-485(3 pin Terminal connector)
Supported PTZ Protocols	EverFocus, Pelco D, Pelco P, Samsung, Transparent
Power Source	100-240 VAC~, 150W max.
Operating Temperature	0°C~40°C/32°F~104°F (20~80% humidity)
Dimensions (L x W x H)	430 x 423 x 95mm/16.93" x 16.65" x 3.74"
Certificates	CE FC UL

Major Operating Controls

1. Main Power Plug
2. eSATA
3. Video Input and Looping
4. Audio In/Out
5. RS-232 Connector
6. RS-485 Connector
7. HDMI Monitor 1
8. VGA Monitor 2
9. Call Monitor Out
10. Network Connector
11. Alarm In
12. Alarm Out

Rear View
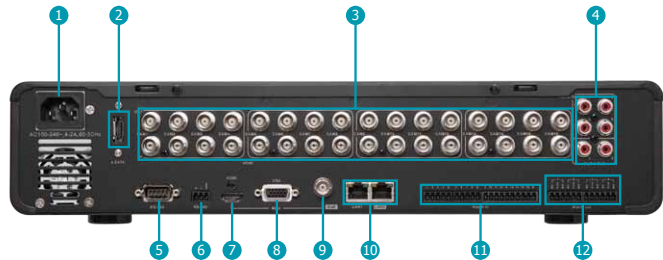
* Front & back panel controls vary depending on models
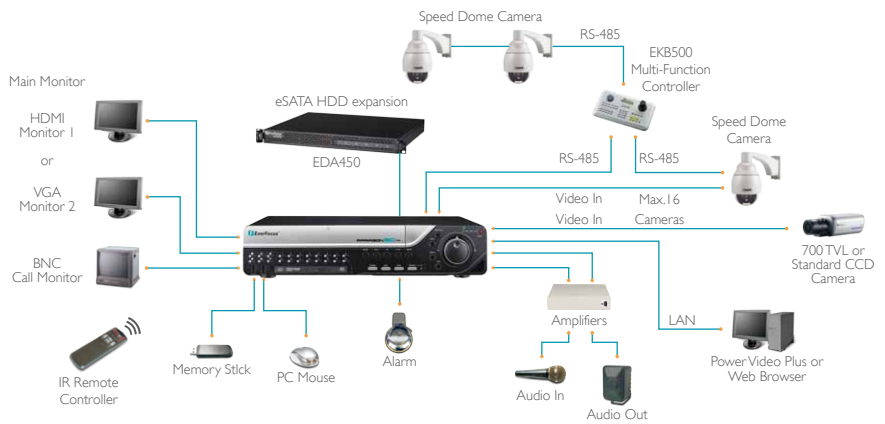
Advantages

Triplex Function for WD1 Real-time

Best performance triplex operation, in WD1 resolution you can still have real-time recording for 16 cameras at 30fps, and playback all 16 cameras with WD1 30fps. It also supports sub streaming for CIF 30fps compression for 16 cameras to do remote control. It can achieve best recording quality locally and get smooth image in low bandwidth environment.

16CH 480fps (WD1) recording + 16CH 480fps (WD1) playback + 16CH 480fps (WD1) second stream
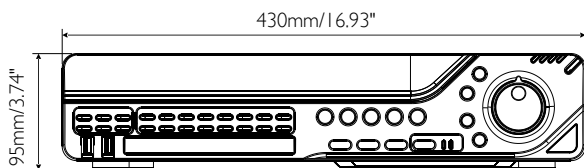
Full HD Video Output

Full HD 1080p brings superior picture performance on a massive scale, it can provide 1:1 output for megapixel camera. Digital output renders stunning images from any resolution which enhances motion to deliver a smoother and clearer looking.
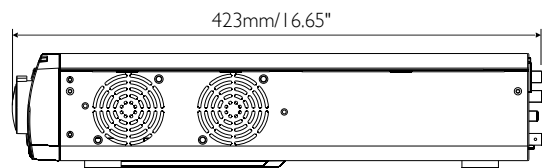
System Configuration

Dimensions

Front View

430mm/16.93"
95mm/3.74"

Side View

423mm/16.65"

Digital Video Recorders