



ECO SERIES

ECO-16HYDVR

HD True Hybrid DVR
16 Channel System

Our newest addition to our fine line of products is the ECO-16HYDVR a 1080p Real-time Hybrid Digital Video Recorder that meets the most stringent demands of today's CCTV Professional.



Why Switching?

Our new **ECO-16HYDVR** goes to a whole new level of security recording performance by fully supporting analog video inputs as well as HD-SDI inputs with 1080p high definition resolution.

All that's needed is to utilize your existing analog cameras quality coax cables to connect either your regular analog cameras and/or your HD-SDI cameras delivering megapixel quality video without utilizing IT network bandwidth, dropping packets, or reduced resolution from compression.

Access viewers are included for your ease of getting into the DVR via CMS or Web Viewer from your PC or via Android or Apple Viewer application.

FEATURES

- TRUE Hybrid DVR, accepts both HD-SDI and Analog video types
- 1080p Real time display
- 240fps / 15fps per HD-SDI channel
- 480fps / 30fps per Analog channel
- H.264 High Profile compression
- PENTAPLEX: Simultaneous live or playback while still continuing to record, network transfer, and backup
- Easy CMS SW for Windows OS, Multi-language
- Remote Search for CMS or app, Internal Beep
- Web Viewer, 3G&4G Mobile network,
- Digital Zoom, DLS (Day Light Saving)
- E-mail notification, NTP (Network Time Protocol), S.M.A.R.T

Access Viewers



CMS

- Live
- Local PC Recording
- Playback
- Backup
- Remote Setup
- Remote Upgrade



Web Viewer

- Live
- Playback
- Remote Setup
- Remote Upgrade
- Windows(IE, Chrome, Firefox and Safari)



Free Viewer Application For Apple and Android

- Live
- Playback



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SPECIFICATIONS

Specifications	Description
Video	
Video Input	16Ch HD-SDI 720p 25/30/50/60, 1080p 25/30,1080i 50/60 or NTSC/PAL
Video Output: Main Monitor Sub Monitor	HDMI and VGA (1920 x 1080) CVBS
Audio Input /Output (HDMI support)	4ch input x 1ch output, Codec G.711
Alarm Input/Output	4 In/1 Out
Operation	Pentaplex: Live/Record/Playback/Backup/Network
Serial Interface	PTZ control RS-485 - 1 ea.
Recording	
Compression	H.264 (High Profile)
Resolution	1920x1080 - 15 fps/ch 1920x540 - 15 fps/ch 1280x720 - 15 fps/ch 640x360 - 15 fps/ch
1280x720 camera Input	1280x720 - 30/25fps per channel 640x360 - 30/25fps per channel
Analog Camera Input	960H - NTSC/PAL - 30/25fps per channel D1 - NTSC/PAL - 30/25fps per channel CIF - NTSC/PAL - 30/25fps per channel
Recording Grade	5 Levels
Recording Mode	Continous/Motion/Sensor/Schedule/Manual
Pre Recording	Max. 20 minutes
Post Recording	Max. 60 seconds
Playback	
Search	Date/Time, Event, Archive, Log
Multi-Decoding	1, 4, 9, 16
Playback speed	x0.25, x0.5, x2, x4, x8, x16, x32, x64
Backup & Storage	
Backup Media Format	USB Drive, External HDD, DVD-R, Network BMP, AVI, Proprietary Format
Storage Capacity of 1 HDD Internal HDDs	4TB 2 Ea. (1Ea. w/o ODD) 2 Ea.
USB Port	Front - 1 Ea., Rear - 1Ea.
User Interface - Input Method	Front Button, IR, Mouse, Keyboard Controller
Network	
Interface	10/100/1000 Base-T
Dynamic DNS	Support (Free DDNS)
Dual Encoding for Network	Support
Access	
3G/4G Mobile	iPad/iPhone/Android
Web Viewer	Windows (IE, Chrome, Firefox and Safari)
PC Client	Single, Multi, 64 Channel CMS
Remote Setup and Upgrade	Support
General	
Power	DV 12V, 6.67A
Operating Temperature	41°F ~ 104°F / 5 °C ~ 40°C
Operating Humidity	20 % - 80 % (Non-condensing)
Storage Temperature	14°F ~ 122°F / -10°C ~ 50°C
Dimensions (W x D x H)	14.96" x 13.38" x 2.83" / 380 x 340 x 72 mm
Net Weight (Gross Weight)	9 Lbs (12.12 lbs) / 4.1kg (5.5kg)
In the box	CMS S.W. CD, Quick Installation Guide, USB Mouse, Remote Controller, SATA II cables, DC 12V Power Supply, Internal HDD Bracket & Screws

Design and specifications are subject to Change without notice.

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