

# EYEMAX | 8 Ch Penta-brid DVR System, H.265+, 4K IP/CVI Input, 5MP TVI/AHD, 1U, 2 HDD Slots



Embedded processor • H.265+/H.265 dual-stream video compression • Support HDCVI/AHD/TVI/CVBS/IP video inputs • Max 4 channels IP camera inputs, each channel up to 8MP; Max 48Mbps Incoming Bandwidth • Smart Search and Intelligent Video System

## System Overview

With the surveillance operators pursuing to HD/UHD which further adds the storage and transmission cost, HDCVI H.265+/H.265 has been released to incredibly decrease the required bitrate while ensuring the video quality in realizing high resolution surveillance such as 4MP/4K. The Lite Series is designed for high cost performance and quality. The range offers a great solution for users facing budget constraints who both require quality and performance. And with the adoption of Smart H.265+/H.265, the series improves encoding efficiency, saving on bandwidth/storage costs, and significantly reducing the Total Cost of Ownership (TCO).

# EYEMAX | 8 Ch Penta-brid DVR System, H.265+, 4K IP/CVI Input, 5MP TVI/AHD, 1U, 2 HDD Slots

## FEATURES

- **Smart H.265+** : Smart Codec, H.265+ can reduce up to 90% bit rate and storage requirements compared with H.264 without having to invest in new cameras.
- **HDCVI/AHD/TVI/CVBS Auto-detect** : The EMDT can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.
- **8MP Resolution** : The EMDT supports up to 8MP HD resolution (3840 x 2160) HDCVI camera and IP camera input.
- **Coaxial Audio/Upgrade/Alarm** : The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.
- **Smart Fan Design** : The smart fan can automatically turn on or turn off according to the CPU temperature. This function can effectively reduce the fan noise to provide a better user experience while extending the life of the fan at the same time.
- **Spot Output** : It is made for a secondary monitor. This allows the operator to view one special monitor that assigned to selected cameras or video inputs from higher security areas.
- **Intelligent Video System (IVS)** : With built-in intelligent video analytics, the XVR has the ability to detect and analyze moving objects for improved video surveillance. The XVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a predetermined line has been crossed.
- **Face Detection** : It is a typical technology being used in a variety of applications for searching or identification of individuals.
- **Smart Search** : This function helps you get more motion detect video during a short time through drawing a region when playback. It is very useful when an emergency occurs.

## SPECIFICATIONS

System	
Main Processor	Embedded Processor
Operating System	Embedded LINUX
Video and Audio	
Analog Camera Input	8 Channel, BNC
HDCVI Camera	4K, 6MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
AHD Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
TVI Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps

# EYEMAX | 8 Ch Penta-brid DVR System, H.265+, 4K IP/CVI Input, 5MP TVI/AHD, 1U, 2 HDD Slots

CVBS Camera	PAL/NTSC
IP Camera Input	8+4 Channel, each channel up to 8MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse audio in/Out, RCA
<b>Recording</b>	
Compression	H.265+/H.265/H.264+/H.264
Resolution	4K, 6MP, 5MP, 4K-N, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF
Record Rate (Main Stream)	4K(1~7fps); 6MP(1~10fps); 5MP(1~12fps); 4MP/3MP(1~15fps); 4M-N/1080P/720P/960H/D1/CIF (1~25/30fps)
Record Rate (Sub Stream)	960H(1~15fps);D1/CIF/QCIF(1~25/30fps)
Bit Rate	1Kbps ~ 8192Kbps Per Channel
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM
Audio Sample Rate	8KHz, 16 bit Per Channel
Audio Bit Rate	64Kbps Per Channel
<b>Display</b>	
Interface	1 HDMI, 1 VGA
Resolution	HDMI:3840×2160 (4K), 2560×1440, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9 When IP extension mode enabled: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
<b>Network</b>	
Interface	1 RJ-45 Port (1000M)
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android

# EYEMAX | 8 Ch Penta-brid DVR System, H.265+, 4K IP/CVI Input, 5MP TVI/AHD, 1U, 2 HDD Slots

Interoperability	ONVIF 16.12, CGI Conformant
<b>Video Detection and Alarm</b>	
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Alarm input	N/A
Relay Output	N/A
<b>Playback and Backup</b>	
Playback	1/4/9
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network
<b>Storage</b>	
Internal HDD	2 SATA Ports, up to 10TB capacity for each disk
eSATA	N/A
<b>Auxiliary Interface</b>	
USB	2USB Ports (1 USB 2.0, 1 USB 3.0)
RS232	N/A
RS485	1 Port, for PTZ Control
<b>Electrical</b>	
Power Supply	DC 12V / 4A
Power Consumption (without HDD)	<10W
<b>Construction</b>	
Dimensions	1U, 375mm×287mm×53mm (14.8" x 11.3" x 2.1")
Net Weight (without HDD)	3.3 lbs (1.5Kg)
Gross Weight	6.4 lbs (2.9Kg)
Installation	Desktop installation

# EYEMAX | 8 Ch Penta-brid DVR System, H.265+, 4K IP/CVI Input, 5MP TVI/AHD, 1U, 2 HDD Slots

Environmental	
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 10% ~ 90% RH
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH
Third-party Support	
Third-party support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dahua, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
Certification	
Certifications	FCC: Part 15 Subpart B
	CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024
	UL: UL 60950-1