CSP-8/16PRO-4KX

8/16 Channel Penta-brid 4K Mini 1U Digital Video Recorder



- · H.265+/H.265 dual-stream video compression
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- \cdot Max 12/24 channels IP camera inputs, each channel up to 8MP; Max 48/96Mbps 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 Pro 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).

Functions

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 XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

8MP Resolution

The XVR 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.

Long Distance Transmission

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 700m for 4K/4MP, 800m for 1080P and 1200m for 720P.

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.

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.

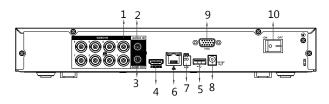


Technical Specification		Video Detection and Alarm	
System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Main Processor	Embedded Processor	V(1 - D + 1)	Motion Detection, MD Zones: 396 (22 × 18), Video Loss,
Operating System	Embedded LINUX	Video Detection	Tampering and Diagnosis
Video and Audio		Alarm input	N/A
Analog Camera Input	8/16 Channel, BNC	Relay Output	N/A
HDCVI Camera	4K, 6MP, 5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback and Back	up 8CH: 1/4/9
AHD Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps	Playback	16CH: 1/4/9/16
TVI Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to
CVBS Camera	PAL/NTSC		second)
IP Camera Input	8+4/16+8 Channel, each channel up to 8MP	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
Audio In/Out	1/1, RCA	ayback ranction	
Two-way Talk	Reuse audio in/Out, RCA	Backup Mode	USB Device/Network
Recording		Storage	
_	H 3627/H 362/H 3647/H 364	Internal HDD	1 SATA Port, up to 10TB capacity
Compression	H.265+/H.265/H.264+/H.264	eSATA	N/A
Resolution	4K, 6MP, 5MP, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF	Auxiliary Interface	
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) Sub stream: 960H(1~15fps); D1/CIF(1~25/30fps)	USB	2 USB Ports (1 USB 2.0 , 1 USB 3.0)
		RS232	N/A
		RS485	1 Port, for PTZ Control
Bit Rate	32Kbps ~ 6144Kbps Per Channel	Electrical	
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	Power Supply	8CH:DC12V/2A 16CH:DC12V/3A
Record Interval	1~60 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	Power Consumption (without HDD)	8CH:<10W 16CH:<20W
Audio Compression	G.711A, G.711U, PCM	Construction	
Audio Sample Rate	8KHz, 16 bit Per Channel	Dimensions	Mini 1U, 325mm×255mm×55mm (12.8" x 10" x 2.2")
Audio Bit Rate	64Kbps Per Channel	Device with PFH101	13, 525 235 (22.6 × 15 × 2.12)
Display		Rack Mount Tray	483mmx281mmx56mm (19.0"x11.1"x2.2")
Interface	1 HDMI, 1 VGA	Net Weight (without HDD)	8CH: 1.2kg (4.2 lb) 16CH: 1.3kg (2.9 lb)
Resolution	HDMI:3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720	Gross Weight	8CH: 1.9kg (4.2 lb) 16CH: 2.0kg (4.4b)
	VGA: 1920×1080, 1280×1024, 1280×720	Installation	Desktop installation
Multi-screen Display	When IP extension mode not enabled: 8CH: 1/4/8/9 16CH: 1/4/8/9/16 When IP extension mode enabled: 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25	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
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	Third-party Suppor	rt
Network		Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung,
Interface	1 RJ-45 Port (1000M)		Sanyo, Sony, Videotec, Vivotek, and more
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.)	Certifications	FCC: Part 15 Subpart B
Max. User Access	128 users	Certifications	CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50136 EN 55024
Smart Phone	iPhone, iPad, Android		
	ONVIF 16.12, CGI Conformant		

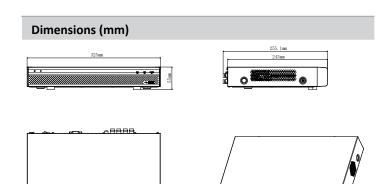
Ordering Information				
Туре	Part Number	Description		
0/45 Cl 100/10	CSP-8PRO-4KX	8 Channel Penta-brid 4K 1U Digital Video Recorder		
8/16 Channel XVR	CSP-16PRO-4KX	16 Channel Penta-brid 4K 1U Digital Video Recorder		

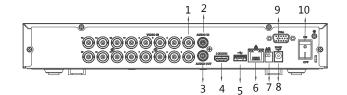
Rear Panel

CSP-8PRO-4KX



CSP-16PRO-4KX





- 1 VIDEO IN
- 6 Network Interface
- 2 AUDIO IN, RCA Connector
- 7 RS485 Interface
- 3 AUDIO OUT, RCA Connector
- 8 DC 12V Power Input
- 4 HDMI Interface
- 9 VGA Interface
- 5 USB Interface
- 10 Power Switch

Installation on Rack Mount Tray

