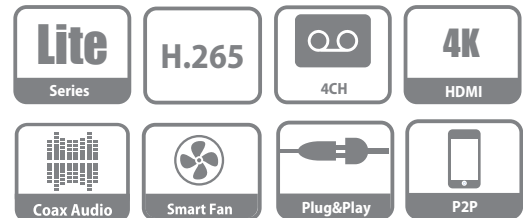


COG-4K-4BB

4 CHANNEL 4K COMPACT 1U DIGITAL VIDEO RECORDER



- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 6 channels IP camera inputs, each channel up to 8MP;
- Max 24Mbps 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).

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 pre-determined 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	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Operating System	Embedded LINUX	Alarm input	N/A
Video and Audio		Relay Output	N/A
Analog Camera Input	4 Channel, BNC	Playback and Backup	
HDCVI Camera	4K, 6MP, 5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback	1/4
AHD Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
TVI Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps	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
CVBS Camera	PAL/NTSC	Backup Mode	USB Device/Network
IP Camera Input	4+2 Channel, each channel up to 8MP	Storage	
Audio In/Out	1/1, RCA	Internal HDD	1 SATA Port, up to 10TB capacity
Two-way Talk	Reuse audio in/out, RCA	eSATA	N/A
Recording		Auxiliary Interface	
Compression	H.265+/H.265/H.264+/H.264	USB	2 USB Ports (2 USB 2.0)
Resolution	4K, 6MP, 5MP, 4K-N, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF	RS232	N/A
Record Rate	Main stream: the 1st channel 4K(1~7fps), 6MP(1~10fps), 5MP(1~12fps), 4MP/3MP(1~15fps), others 4K-N(1~7fps), 4MP/3MP(1~15fps); 4M-N/1080P/720P/960H/D1/CIF (1~25/30fps) Sub stream: 960H(1~15fps); D1/CIF(1~25/30fps)	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	DC12V/2A
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Power Consumption (without HDD)	<10W
Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM	Construction	
Audio Sample Rate	8KHz, 16 bit Per Channel	Dimensions	Compact 1U, 260×236×48mm(10.2"×9.3"×1.9")
Audio Bit Rate	64Kbps Per Channel	Device with PFH101 Rack Mount Tray	483mm×281mm×56mm (19.0"×11.1"×2.2")
Display		Net Weight (without HDD)	0.9kg (2.0lb)
Interface	1 HDMI, 1 VGA	Gross Weight	1.6kg (3.5 lb)
Resolution	HDMI:3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720	Installation	Desktop installation
Multi-screen Display	When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6	Environmental	
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 10% ~ 90% RH
Network		Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH
Interface	1 RJ-45 Port (100M)	Third-party Support	
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.)	Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
Max. User Access	128 users	Certifications	
Smart Phone	iPhone, iPad, Android	FCC: Part 15 Subpart B	
Interoperability	ONVIF 16.12, CGI Conformant	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	

Dimensions (mm)

