

COG-NVR-4K-8BB

8 CHANNEL COMPACT 1U LITE 4K NETWORK VIDEO RECORDER



- · H.265/H.264 codec decoding
- Max 80Mbps incoming bandwidth
- · Up to 8Mp resolution preview&playback
- · Up to 1ch@8MP/4ch@1080P decoding
- · HDMI/VGA simultaneous video output
- · Support IPC UPnP, 8PoE ports











System Overview

This NVR is capable of transmitting 8MP image. It helps to save up to 50% HDD and storage space with its H.265 decoding technology compared with H.264.

Due to its cost-effective and easy-to-install design, this NVR is ideal for a wide range of applications such as home safety, grocery, warehouse, education, and financial institutions.

The NVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with IP cameras.

Functions

4K Resolution

4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

Automatic Network Replenishment (ANR) Technology

Network Video Recorders with the ANR function automatically store video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

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System Politic Processor Data con embedded processor Print party Support Account Vision, AMS, Bosch, Brickon, Centur, Flow Operating System Probusided I SIAIX Network 1.81 45 pert (Information Centur, et al. control) Audio and Video Schonnel PoE 80 centur langual 1.81 45 pert (Information Centur, et al. control) Display Thomas Input, 1 Total of Display, ICA PoE 80 centur langual POECON, PoS, et Pillay, ESS UDB, NTP, DOCK, POS, et P	Technical Specification		Third-party Support	
Main Processor Dual-cone embedded processor Network Operating System tribedded UNIX Network Audio and Video Interface 1 8-45 port 120/009/1200/Mppul Processor Input 8 channel Peo B 8 ports 120/009/1200/Mppul Proviously Talk 1 channel Input, 1 Channel Disput, RCA Peo B 8 ports 120/009/1200/Mppul (PD Piput, RCA) Display 1 HOM, 1 VoA Opcord Fibre Interface NA Resolution 1 MOM, 1 VoA Max. User Access 128 sets Resolution 1 MS 1500-1200, 1200-1200,	System			Arecont Vision, AXIS, Bosch, Brickcom, Canon,
Interface 18-45 port 100/100/1000006(ps)	Main Processor	Dual-core embedded processor	Third-party Support	
PoE Sports DEERING.254747 Two-way Talk 1 channel Input, 1 channel Output, RCA Display	Operating System	Embedded LINUX	Network	
Network Function	Audio and Video		Interface	1 RJ-45 port (10/100/1000Mbps)
Display Network Function DRICE, DRIS, PF Rev. DRISS, P Several-Spagent Dahas IP camera, DVB, INKS and etc.) Interface 1 HDMI, 1 VGA Optical Fiber Interface N/A Resolution 1 HDMI, 3 MO 2180, 1280-1024, 1280-10	IP Camera Input	8 Channel	PoE	8 ports (IEEE802.3at/af)
Interface		1 Channel Input, 1 Channel Output, RCA	Network Function	DHCP, DNS, IP Filter, DDNS, IP Search(Support Dahua
HDML 1960 1980 1	Display		Ontical Fiber Interface	
HDM: 380472160, 192041080, 128041024, 128047020	Interface	1 HDMI, 1 VGA	·	
No.	Resolution			
Decoding Capacity 1chesper polity process of the pr		VGA: 1920×1080, 1280×1024, 1280×720	Smart Phone	iPhone, iPad, Android
Multi-screen Display 14/8/9 Internal HDD 1 SATA III Port, up to 6TB capacity for each HDD	Danadina Canadita		Interoperability	ONVIF 2.4, SDK, CGI
OSD Camera title, Time, Camera lock, Motion detection, Recording Recording Compression H.265/H.264 Resolution 8MM/SMP/3MP/3MP/3MP/3080P/720P/D1&etc. Record Rate 80Mbps RS232 N/A Record Rate 16Kbps - 20Mbps Per Channel Bit Rate 16Kbps - 20Mbps Per Channel Bit Rate 16Kbps - 20Mbps Per Channel Record Interval Post-record: 10*300 sec. Power Supply Single, DC48V/2A Record Interval Post-record: 10*300 sec. Power Supply Single, DC48V/2A Trigger Events Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips Video Detection and Alarm Trigger Events Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips Video Detection And Alarm N/A Alarm input N/A Relay Output N/A Relay Dutput N/A Relay D			Storage	
OSD Recording HDD Mode Single Recording eSATA N/A Compression H.265/H.264 Auxiliary Interface Resolution 8MP/6MP/5MP/AMP/3MP/1080P/ 720P/ D18etc. USB 2 ports (I Rear USB2.0, 1 Front USB2.0) Record Rate 80Mbps RS232 N/A Record Rate 80Mbps RS485 N/A Bit Rate 16kbps ~ 20Mbps Per Channel Electrical Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/2A Record Interval 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~30 sec Power Consumption NVR: <5.8W (without HDD)	Multi-screen Display		Internal HDD	1 SATA III Port, up to 6TB capacity for each HDD
Compression H.265/H.264 Auxiliary Interface Resolution 8MP/6MP/5MP/1080P/720P/ D18etc. USB 2 ports (I Rear USB2.0, 1 Front USB2.0) Record Rate 80Mbps RS232 N/A RS232 N/A RS485 N/A RS485 N/A REcord Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/2A Record Interval 2"120 min (default: 60 min), Pre-record: 1"30 sec, Post-record: 10"300 sec Post-record:	OSD		HDD Mode	Single
Resolution 8MP/6MP/SMP/4MP/3MP/1080P/720P/ D18etc. RS232 N/A Record Rate 80Mbps RS485 N/A R8485 N/A R8485 N/A Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/2A Record Interval Post-record: 10~300 sec Post-record: 17-30 sec, Post-record: 10~300 sec Post-record: 10~300 sec Power Consumption PoE: Max 25.5w for single port, 80w in total Power Consumption PoE: Max 25.5w for single port, 80w in total Post-record: 10~300 sec Post-record: 10~300 sec Power Consumption PoE: Max 25.5w for single port, 80w in total Post-record: 10~300 sec Power Consumption PoE: Max 25.5w for single port, 80w in total Power Consumption Po	Recording		eSATA	N/A
Record Rate 80Mbps RS232 RS232 N/A RS485 N/A RS485 N/A RS485 RS485 N/A RS485 RS485 RS485 RS485 RS485 RS485 RS485 RS485 RS485 RS582 RS588 RS588 RS582 RS5832 RS582 RS582 RS582 RS582 RS582 RS582 RS582 RS582 RS5832 RS582 RS582 RS582 RS582 RS582 RS582 RS582 RS582 RS5832 RS582 RS588 RS582 RS588 RS582 RS582 RS582 RS588 RS582 RS588 RS582 RS588 RS582 RS588 RS582 RS588 RS589 RS588 RS588 RS588 RS588 RS588 RS588 RS588 RS588 RS589 RS588 RS588 RS588 RS588 RS589 RS588 RS588 RS589 RS588 RS589 RS588 RS589 RS588 RS589	Compression	H.265/H.264	Auxiliary Interface	
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Bit Rate 16Kbps ~ 20Mbps Per Channel Electrical Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/2A Record Interval 1°120 min (default: 60 min), Pre-record: 1°30 sec, Post-record: 1°30 sec, Power Consumption Poet: Max 25.5w for single port, 80w in total Trigger Events Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 × 18), and Tampering Storage Conditions -2.0°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa Storage Conditions -2.0°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Alarm input N/A Construction Relay Output N/A Playback and Backup Sync Playback 1/4 Search Mode 17me / Date, 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, Shuffle, Backup Selection, Digital Zoom File Backup Mode USB Device/Network Electrical Power Supply Single, DC48V/2A NNR: <5.8W (without HDD) Poet: Max 25.5w for single port, 80w in total Environmental Single, DC48V/2A NR: <5.8W (without HDD) Poet: Max 25.5w for single port, 80w in total Environmental Single, DC48V/2A NVR: <5.8W (without HDD) Poet: Max 25.5w for single port, 80w in total Environmental Screen Tips Storage Conditions -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Construction Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Storage Conditions -20°C ~	Record Rate	80Mbps	RS232	N/A
Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Record Interval 1°120 min (default: 60 min), Pre-record: 1°30 sec, Post-record: 1°30	Rit Rate	16Khns ~ 20Mhns Per Channel	RS485	N/A
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Video Detection and Alarm Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 x 18), and Tampering Alarm input N/A Construction Relay Output N/A Playback and Backup Sync Playback 1/4 Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Play, Next Full Screen, Shuffle, Backup Selection, Digital Zoom Backup Mode Video Detection Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips Environmental Coperating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Dimensions(W×D×H) Net Weight 0.8kg (1.76 lb) (without HDD) Certifications Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FICC Part 15 Subpart B, ANSI C63.4-2014	Record Interval		Davis Carrier at lar	NVR: <5.8W (without HDD)
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Playback and Backup Sync Playback 1/4 Gross Weight 1.6kg(3.53 lb)(without HDD) Search Mode Playback Function Playback Function Playback Function Play Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom Backup Mode Dimensions(W×D×H) Net Weight 0.8kg (1.76 lb) (without HDD) Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FCC Part 15 Subpart B, ANSI C63.4-2014			Construction	
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Search Mode Time / Date, MD and Exact Search (accurate to second) Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom Backup Mode USB Device/Network Gross Weight 1.6kg(3.53 lb)(without HDD) Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FCC Part 15 Subpart B, ANSI C63.4-2014	Playback and Backup		Net Weight	0.8kg (1.76 lb) (without HDD)
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			FCC	Part 15 Subpart B, ANSI C63.4-2014
	Backup Mode	USB Device/Network	UL	UL60950-1



Dimensions (mm)



