

COG-NVR-4K-4BB

4 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, 4PoE 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 Main Processor Deaf-core embedded processor Phind partly Support Account Video Auture (Incomposity Recognition) (Among Auture (Incomposity) (Among Auture (Incomposity)) (Among Au	Technical Specification		Third-party Support		
Main Processor Deal store embedded LNUX Network Audio and Video Probedded LNUX Network Audio and Video Interface 18.4 Sport (0/1000Mppq) P Camera Input 4 Chamel Imput, 1 Chamel Output, RCA Poe 4 ports (PH7000Mppq) D Splay Thomas Imput, 1 Chamel Imput, 1 Chamel Output, RCA Network Function HTHP4TTRS, TCPM (PM-MPs, RSS-900, NF) D Splay Thomas Imput, 1 Chamel Imput, 1 Chamel Output, RCA Network Function HTHP4TTRS, TCPM (PM-MPs, RSS-900, NF) D Splay Thomas Imput, 1 Chamel Imput, 1 Chamel Output, RCA Network Function NA D Splay More Tax (PM-PM-PM, RSS-900, NF) Processor Processor D Splay More Tax (PM-PM-PM, RSS-900, NF) Processor NA Resolution 4 Interface NA NA MULLis creen Display 4 Chip RM-P Rss-1000, 1780-1004 Processor Processor NA Recording Chip Rss-1000, 1780-1009 And Palmone Solicy (PM-PM-PM, RSS-900) Processor NA Multi-screen Display More More Palmone Solicy (PM-PM-PM, RSS-900) NA NA Resolution <	System		Third marks Command		
Audio and Video Interface 1 R4-5 port 109/000Mbp0) IP Camera Input 4 Channel P De 4 ports (EFRIO, Sar/alf) Two way Talk 2 Channel Input, 1 Channel Output, RCA Network Function HTTPWITTPS, TCS/IP, IPALPAC, RTS, LIDB NTP, IPALPAC, R	Main Processor	Dual-core embedded processor	Inira-party Support		
PoE	Operating System	Embedded LINUX	Network		
Network Function	Audio and Video		Interface	1 RJ-45 port (10/100Mbps)	
Display Network Function DHC/D NS, IP Titles, DNS, IP Search Support Dahu Pramera, DWI, NVS and etc.), Easythy Interface Interface 1 HOM, 1 VEA Optical Fiber Interface NA Resolution HOM, 3540-2160, 1920-1880, 1280-1024,	IP Camera Input	4 Channel	PoE	4 ports (IEEE802.3at/af)	
Display Di	Two-way Talk	1 Channel Input, 1 Channel Output, RCA	Network Function		
HDMI, 1970 1280-1020, 1280-1	Display				
Mill	Interface	1 HDMI, 1 VGA	Optical Fiber Interface	N/A	
Smart Phone Phone, Phone	Resolution		Max. User Access	128 users	
Decoding Capacity Ich®8MP 30fps, 4ch@1080P 30fps Storage Multi-screen Display 1/4 Internal HDD 1 SATA III Fort, up to 6TB capacity for each HDD OSD Camera thle, Time, Camera lock, Motion detection, Recording HDD Mode Single Recording eSATA N/A Compression H.265/H.264 Auxiliary Interface Resolution 8MP/6MP/SMP/AMP/3MP/1080P/720P/D1&etc. USB 2 ports (I Rear USB2.0, 1 Front USB2.0) Record Rate 80Mbps RS232 N/A Record Mode Manual, Schedule(Regular/Condinuous), MD, Stop RS48S N/A Record Interval 1°120 min (Idefault 60 min), Per record: 1°30 sec, Post-record: 1°20 sose, Post-record: 1°20 sos			Smart Phone	iPhone, iPad, Android	
Multi-screen Display		VGA: 1920×1080, 1280×1024, 1280×720	Interoperability	ONVIF 2.4, SDK, CGI	
No Camera itile, Time, Camera lock, Motion detection, Recording HDD Mode Single	Decoding Capacity	1ch@8MP 30fps, 4ch@1080P 30fps	Storage		
Recording Record Rate Resolution Remainship Record Rate Resolution Remainship Record Rate Record Rat	Multi-screen Display	1/4	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/D1&etc. USB 2 ports (1 Rear USB2.0) 1 Front USB2.0) Record Rate 80Mbps RS232 N/A Bit Rate 16kbps ~ 20Mbps Per Channel Electrical Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/1.25A Record Interval 1~120 min (default: 60 min), Pre-record: 1~30 sec. Power Consumption NVR: <5.3W (without HDD)	OSD		HDD Mode	Single	
Resolution 8MP/6MP/SMP/4MP/3MP/1080P/720P/D1&etc. Record Rate 80Mbps	Recording		eSATA	N/A	
Record Rate 80Mbps RS232 RS232 N/A RS485 N/A RS485 N/A RS485 RS485 N/A RS485 RS486 RS485 RS486 RS485 RS485 RS485 RS486 RS486 Power Supply Single, DC48V/1.25A RVR: <5.3W (without HDD) PoE: Max 25.5w for single port, 50w in total RS486 RS485 Power Supply Single, DC48V/1.25A RVR: <5.3W (without HDD) PoE: Max 25.5w for single port, 50w in total RS486 RS485 RS486 Power Supply Single, DC48V/1.25A RVR: <5.3W (without HDD) PoE: Max 25.5w for single port, 50w in total RVR: <5.3W (without HDD) PoE: Max 25.5w for single port, 50w in total RVR: <5.3W (without HDD) Rot Record Interval Record Interval Record Interval Record Interval Record Interval Record Interval Power Consumption Poet Max 25.5w for single port, 50w in total RVR: <5.3W (without HDD) Rot Record Interval Record Interval Record Interval Record Inte	Compression	H.265/H.264	Auxiliary Interface	Auxiliary Interface	
Record Rate 80Mbps Bit Rate 16Kbps ~ 20Mbps Per Channel Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Record Interval 1-12 omin (default: 60 min), Pre-record: 1-30 sec, Post-record: 10-300 sec Power Supply Single, DC48V/1.25A NVR: <5.3W (without HDD) PoE: Max 25.5w for single port, 50w in total PoWer Consumption PoE: Max 25.5w for single port, 50w in total Environmental Video Detection Motion Detection, MD Zones: 396 (22 x 18), and Tampering Storage Conditions -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa Alarm input N/A Alarm input N/A Relay Output N/A Playback and Backup Sync Playback 1/4 Search Mode 1/4 Play Pause, Stop, Rewind, Fast play, Slow Play, Next Flie, Pier Volus Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom Playback Function Play Pause, Stop, Rewind, Fast play, Slow Play, Next Flie, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom Backup Mode USB Device/Network N/A Sonce Playback USB Device/Network N/A Resord Interval Power Consumption Power Supply Single, DC48V/1.25A NVR: <5.3W (without HDD) Power Consumption Power Consumption Power Consumption Poes: Max 25.5w for single port, 50w in total Environmental Environmental Construction Construction Construction Compact 10, 260mmx224.9mmx47.6mm (10.2° x 8.9° x 1.9°) Net Weight 0.8kg (1.76 lb) (without HDD) Search Mode CE ENS5032, ENS5024, ENS0130-4, ENG0950-1 File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom FCC Part 15 Subpart B, ANSI C63.4-2014	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/720P/D1&etc.	USB	2 ports (1 Rear USB2.0, 1 Front USB2.0)	
Bit Rate 16Kbps ~ 20Mbps Per Channel Electrical Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/1.25A Power Supply Single, DC48V/1.25A Power Consumption PoE: Max 25.5w for single port, 50w in total PoE: Max 25.5w for single port, 50w in total PoE: Max 25.5w for single port, 50w in total Environmental Poerating Conditions 10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa Storage Conditions 10°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Alarm input N/A Alarm input N/A Playback and Backup Playback and Backup Playback 1/4 Search Mode Time / Date, MD and Exact Search (accurate to second) (accurate to second) Rest play, Play, Pause, Stop, Rewind, Fast play, Slow Play, Net Kernera, Previous Camera, Full Screen, Shuffle, Backup Mode Backup Mode USB Device/Network Playback Punction Electrical Power Supply Single, DC48V/1.25A NVR: <5.3W (without HDD) PoE: Max 25.5w for single port, 50w in total Environmental Environmental Coperating Conditions 10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa Storage Conditions 10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa Storage Conditions 10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa Storage Conditions 10°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Construction Net Weight 0.8kg (1.76 lb) (without HDD) Sync Playback 1/4 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	Record Rate	80Mbps	RS232	N/A	
Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/1.25A NVR: <5.3W (without HDD) Poer Max 25.5w for single port, 50w in total Environmental Trigger Events 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 Playback and Backup Image: Alarm MD and Exact Search (accurate to second) Playback Punction Play Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Newt Camera, Previous Gamera, Full Screen, Shuffle, Backup Mode USB Device/Network Electrical Power Supply Single, DC48V/1.25A NVR: <5.3W (without HDD) Poer Max 25.5w (or single port, 50w in total Environmental Environmental Storage Conditions -10°C~+55°C (+14°F~+131°F), 86~106kpa -10°C~+5	Rit Pata	16Vhns ~ 20Mhns Par Channal	RS485	N/A	
Record Interval 1°120 min (default: 60 min), Pre-record: 1°30 sec, Post-record: 10°300 sec Video Detection and Alarm Trigger Events 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 Alarm input N/A Playback and Backup Playback And Backup Time / Date, MD and Exact Search (accurate to second) (accurate to second) Playback Function Poer: Max 25.5w for single port, 50w in total Environmental Coperating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa 3torage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Construction Net Weight -1.6kg(3.53 lb)(without HDD) Certifications Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FIG. Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom Backup Mode USB Device/Network			Electrical		
Record interval Post-record: 10~300 sec Power Consumption NVR: <5,3W (without HDD) Video Detection and Alarm Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips Environmental Video Detection Motion Detection, MD Zones: 396 (22 × 18), and Tampering Operating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa Alarm input N/A Construction Relay Output N/A Playback and Backup Sync Playback 1/4 Sync Playback 1/4 Gross Weight 0.8kg (1.76 lb) (without HDD) Search Mode Time /Date, MD and Exact Search (accurate to second) (accurate to second) Certifications Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom FCC CE ENS5032, ENS5024, ENS0130-4, EN60950-1 Backup Mode USB Device/Network	Record Mode		Power Supply	Single, DC48V/1.25A	
Video Detection and Alarm Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 × 18), and Tampering Alarm input N/A Alarm input N/A Construction Relay Output N/A Playback and Backup Sync Playback 1/4 Search Mode Time /Date, MD and Exact Search (accurate to second) Play. Pause, Stop, Rewind, Fast play, Slow Play, Next Full; Screen, Shuffle, Backup Selection, Digital Zoom Backup Mode USB Device/Network Environmental Environmental Coperating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa -10°C ~ +15°F ~	Record Interval	***	Power Consumntion	NVR: <5.3W (without HDD)	
Video Detection Motion Detection, MD Zones: 396 (22 × 18), and Tampering 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 Relay Output N/A Construction Dimensions(W×D×H) Compact 1U, 260mm×224.9mm×47.6mm (10.2" x 8.9" x 1.9") Playback and Backup Net Weight O.8kg (1.76 lb) (without HDD) Sync Playback 1/4 Gross Weight 1.6kg(3.53 lb)(without HDD) Certifications 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	Video Detection and Alarm		Tower consumption	PoE: Max 25.5w for single port, 50w in total	
Video Detection and Tampering Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Alarm input N/A Construction Playback and Backup Net Weight O.8kg (1.76 lb) (without HDD) Search Mode Time /Date, MD and Exact Search (accurate to second) Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom Backup Mode USB Device/Network Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Compact 1U, 260mm×224.9mm×47.6mm (10.2" x 8.9" x 1.9") Compact 1U, 260mm×224.9mm×47.6mm (10.2" x 8.9" x 1.9") Compact 1U, 260mm×224.9mm×47.6mm (10.2" x 8.9" x 1.9") Playback and Backup Net Weight O.8kg (1.76 lb) (without HDD) Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FCC Part 15 Subpart B, ANSI C63.4-2014	Trigger Events		Environmental		
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Playback and Backup Net Weight O.8kg (1.76 lb) (without HDD) Sync Playback 1/4 Gross Weight 1.6kg(3.53 lb)(without HDD) Search Mode 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 O.8kg (1.76 lb) (without HDD) Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FCC Part 15 Subpart B, ANSI C63.4-2014	Additioniput	IN/A	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)	
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 USB Device/Network CE EN55032, EN55024, EN50130-4, EN60950-1 FCC Part 15 Subpart B, ANSI C63.4-2014	Sync Playback	1/4	Gross Weight	1.6kg(3.53 lb)(without HDD)	
Playback Function File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom FCC FCC Part 15 Subpart B, ANSI C63.4-2014 Backup Mode USB Device/Network	Search Mode		Certifications		
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Backup Mode USB Device/Network UL UL60950-1	, 200. 1 011011011		FCC	Part 15 Subpart B, ANSI C63.4-2014	
	Backup Mode	USB Device/Network	UL	UL60950-1	



Dimensions (mm)



