



HDVR324K-21-NCV

32 Channel 5-Way 4K / 8 Megapixel 1U DVR



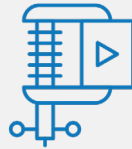
8MP Over Coax

Record up to 32 channels at 4K video resolutions and H.265 / AI Coding for video compression.



Smart Intrusion Prevention

Significantly reduce false alarms by accurately detection human and vehicle detection in zones.



H.265 / H.264

Reduce bit rate and storage requirements of raw footage with H.265 compression

144
Mbps

Bandwidth

Max 144Mbps,
Incoming Bandwidth



Audio over Coax

This integrated design helps reduce wiring troubles translating to lower costs

SMART INTRUSION PREVENTION

Utilizing machine learning and data intelligence, Smart Intrusion Prevention or SIP helps reduce false-alarm rates by allowing you to set up Cross Line Detection, Intrusion Detection, as well as Enter / Leave Area, all which can do any combination of human/vehicle/ non-motor vehicle recognition. Smart Intrusion Prevention's detection rate of >95% helps you improve your perimeter protection, reduce false alarms while keeping you informed about the events that matter the most to you. Ultra Motion Detection can be configured to your full screen or area detection.

4K RESOLUTION

4K resolution captures images four times the pixel density of 1080P which means that the finer details, such as faces or smaller items can be viewed with more detail than traditional 1080P surveillance.

ULTRA MOTION DETECTION

Utilizing machine learning and data intelligence, Ultra Motion Detection or UMD helps you filter out object based on motion detection, detecting motion of specified object types in the image, and trigger an alarm when such motion is detected. UMD supports two different object types: Person and Vehicle. UMD provides a detection rate of >90% up to 49ft and is more efficient than traditional motion detection, further reducing false-alarms.

H.265 COMPRESSION

Utilizing H.265 advanced video encoding, provides high-quality video while reducing the storage space needed to retain your video events.

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NDA COMPLIANCE

The John S. McCain National Defense Authorization Act (NDAA) is a United States federal law which specifies the budget, expenditures and policies of the U.S. Department of Defense. For Fiscal Year 2019, the NDAA Section 889, prohibits the U.S. government from procuring video and telecommunication equipment from certain Chinese companies and their subsidiaries. Some non government projects may require NDAA compliance if federal funding is being used.

PRODUCT SPECIFICATIONS

VIDEO/AUDIO INPUT	
IP Video Input	4-ch
Analog Video Input	32-ch, BNC
Max IP Video Input	36-ch
Supported Analog Camera Types	Support AHD input: 8MP @ 15fps 5MP @ 20fps 4MP @ 30fps 1080P @ 30fps 720P @ 30fps
	Support TVI input: 8MP @ 15fps 5MP @ 20fps 4MP @ 30fps 1080P @ 30fps 720P @ 30fps
	Support CVI input: 8MP @ 15fps 5MP @ 25fps 4MP @ 30fps 1080P @ 30fps 720P @ 30fps
	Support CVBS input
BNC Audio Input	32-ch, channel audio
RCA Audio Input	1-ch

VIDEO/AUDIO OUTPUT	
HDMI Output	4K(3840 x 2160) / 30Hz, 1920 x 1080 / 60Hz, 1920 x 1080 / 50Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
VGA Output	1920 x 1080p / 60Hz, 1920 x 1080p / 50Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz
BNC Video Output	1-ch
RCA Audio Output	1-ch
Live View Display	HDMI / VGA: 1 / 4 / 6 / 8 / 9 / 25 / 36

COAXIAL CABLE	
Audio over Coaxial Cable	32-ch, One-way Audio(NCV Series CVI)

TWO-WAY AUDIO	
Two-Way Audio	1-ch, RCA (Using the audio input and output)

ANALOG SNAPSHOT	
FTP / Schedule / Event Snapshot	32-ch snapshot, up to 704 * 576 resolution

ENCODING/DECODING	
Recording Resolution	8MP Lite / 5MP Lite / 4MP Lite / 1080P / 720P / D1
Recording Frame Rate	8MP Lite @ 8fps Sub stream: D1 @ 8fps 5MP Lite @ 12fps Sub stream: D1 @ 12fps 4MP Lite @ 15fps Sub stream: D1 @ 15fps 1080P @ 15fps Sub stream: D1 @ 15fps 720P @ 30fps Sub stream: D1 @ 30fps
Audio Sample Rate	8KHz, 16 bit per channel
Audio Bit Rate	64Kbps per channel
Decoding Capability	Analog: 16 x 8MP Lite @ 8, 16 x 5MP Lite @ 12, 16 x 4MP Lite @ 15, 16 x 1080P @ 15, 16 x 720 @ 30 IP: 16 x 720P @ 30, 8 x 1080P @ 30, 4 x 4MP @ 30, 2 x 8 MP @ 30
Num of Concurrent Playback in Local	16-ch

NETWORK	
Incoming Bandwidth	80 Mbps (Up to 144Mbps after all analog channel conversion)

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PRODUCT SPECIFICATIONS CONT.

NETWORK CONT.	
Outgoing Bandwidth	160 Mbps
Remote Users	128
Protocols	TCP/IP; P2P; UPnP; DHCP; HTTP; HTTPS; DNS; DDNS; SMTP; NTP
Browser(Plugin)	Windows: IE(IE10/11), Firefox (version 52.0 and above), Chrome(version 45 and above), Edge(version 79 and above)

SMART	
Analog Smart by DVR	Smart Intrusion Prevention, Ultra Motion Detection, Human Detection, Vehicle Detection, Non-Motor Vehicle Detection, Intrusion, Cross Line, Enter Area, Leave Area
IP Smart by IPC	Smart Intrusion Prevention, Face Detection, Human Detection, Vehicle Detection, Non-Motor Vehicle Detection, Intrusion, Cross Line, Enter Area, Leave Area, Defocus Detection, Scene Change, Object Left Behind, Object Removed, Auto Tracking
VCA Search	Face Search, Behavior Search, People Counting
Smart Functions by DVR	16-ch Ultra Motion Detection, 8-ch Smart Intrusion Prevention

ALARM	
General Alarm	Motion
Alert Alarm	IP Conflict; Network Disconnected; Disk Offline; Disk Abnormal; Illegal Access; Hard Disk Space Low; Hard Disk Full; Recording / Snapshot Abnormal

HARD DISK	
SATA	2 SATA interfaces
Capacity	Up to 8TB for each HDD (The maximum HDD capacity varies with environment temperature)

EXTERNAL INTERFACE	
Network Interface	1 RJ45 10M / 100M / 1000M self-adaptive Ethernet Interface
USB	Rear Panel: 1 x USB3.0; Front Panel: 1 x USB2.0
RS485	1
Alarm In	4-ch
Alarm Out	1-ch
Power Supply	DC 12V/5A

WORKING ENVIRONMENT	
Working Temperature	+14°F ~ +131°F
Working Humidity	≤ 90% RH(non-condensing)
Power Consumption (w/o HDD)	≤ 38W

DIMENSIONS	
Weight (w/o HDD)	≤ 5.72lb
Dimensions	15.0" × 12.8"×2.1"

CERTIFICATION	
Certification	CE, FCC, UL, RoHS, WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	Part15 Subpart B

ADDITIONAL PRODUCTS



OPTIVIEW'S VIDEO MONITORING SOFTWARE
Remote Monitoring



SURVEILLANCE DRIVES
4TB / 8TB



HDCD5M-28A-NCV
5MP Fixed Armor Ball Camera w/ Mic



HDCB5M-28A-NCV
5MP Fixed Bullet Camera w/ Mic



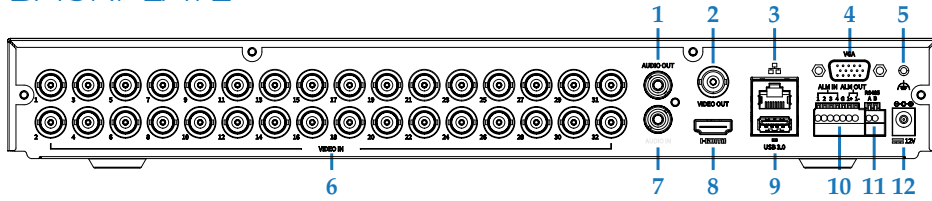
HDCD5M-28A-LED-NCV
5MP Full Color Armor Ball Camera w/ Mic

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BACKPLATE



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|----------------------|----------------|------------------|
| 1. Audio Output | 5. Ground | 9. USB 3.0 |
| 2. Video Output | 6. Video Input | 10. Alarm In/Out |
| 3. Network Interface | 7. Audio Input | 11. RS485 |
| 4. VGA Output | 8. HDMI Output | 12. Power Supply |

DIMENSIONS

