

16 CHANNEL NETWORK VIDEO RECORDER

Onvif® | G S T | NDAA Compliant | A



The **GSD-NVROV6K-16-N** is a next-generation 16-channel 6K Network Video Recorder designed to deliver power, reliability, and simplicity in one sleek solution. Engineered for professional-grade surveillance, it supports crystal-clear recording up to 12MP resolution with 4K HDMI output for uncompromising image quality. With 16 PoE ports + E-PoE, installation is fast and efficient — just plug in cameras and power them directly from the recorder. Its ONVIF compliance ensures broad compatibility across brands, while P2P connectivity allows for secure remote access anytime, anywhere. Supporting HDD up to 20TB, it offers long-term storage capacity ideal for demanding security applications.

12MP
RESOLUTION

Up to 12MP
Resolution

Onvif

ONVIF Compliant
(G/S/T)

4K

4K HDMI Output



Rackmount
Compatible



1 HDD slot up to
20TB



1080P VGA
Output



P2P Connection



ONVIF Encoder

AI FEATURES

- 🔒 Human & Vehicle Detection
- 🔒 Perimeter Intrusion Detection
- 🔒 Line Crossing Detection
- 🔒 License Plate Detection
- 🔒 Facial Recognition
- 🔒 Intrusion Detection
- 🔒 Queue Length Detection
- 🔒 Region Entry And Exit
- 🔒 Cross-Counting
- 🔒 Rare Sound Detection
- 🔒 Stationary Object Detection
- 🔒 Crowd Density Detection
- 🔒 Heat Map
- 🔒 Noise Detection
- 🔒 Video Tampering
- 🔒 Fall Detection
- 🔒 Multi Target Type Detection
- 🔒 Vehicle/Human Attributes
- 🔒 Temperature Measurement
- 🔒 Fire & Smoke Detection
- 🔒 Face Masking

RECORDING BANDWIDTH

Resolution	12MP/8MP/5MP/4MP/3MP/1080p/720p
Input	320M
Output	320M

PERFORMANCE

Recording Compression	Audio: G.711A,G.711U Video: H.264/H.265/H.264+/H.265+
Speed	12MP: 30fps 8MP: 120fps 4MP: 240fps 2MP: 480fps
Playback	1080P: 480fps Max 16CH

Network

Remote Connection	Up to 640 Users
WEB	IE10/11, Safari V12.1 above, Firefox V.52 above, Google chrome V.57 above, Edge V.79 above
Protocols	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SMTP, SNMP, UPnP, HTTP, HTTPS
API	Onvif (profile G/S/T)
Voice command	Home Device: Google Assistant, Amazon Alexa

FONCTIONS IA INSTANT NOTIFICATIONS

Human Detection	Region Entrance
Vehicle Detection	Region Exiting
Perimeter Intrusion Detection	Rare Sound Detection
Line Crossing Detection	Stationary Object Detection
License Plate Detection	Crowd Density Detection
Facial Recognition	Heat Map
Intrusion Detection	Noise Detection
Cross-Counting	Video Tampering
Fall Detection	Multi Target Type Detection
Vehicle/Human Attributes	Temperature Measurement
Fire & Smoke Detection	Face Masking
AI MAX CAPTURED QUANTITY	200,000
AI REGISTERED QUANTITY	10,000

INTERFACE

P/W Reset	Yes
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)
HDMI	1(1024*768, 1280*720, 1280*1024, 1440*900, 1600*1200, 1920*1080, 1920*1200, 2560*1440(2K), 3840*2160 (4K))/EDID 1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080) Async out
Ethernet	2 RJ45 100/1000 Base-T
PoE	16*RJ45, 100 Base-T 802.3at/af
USB	USB2.0*1(front) USB3.0*1+USB2.0*1(rear)
Audio Out	1 in / 1 out
E-SATA	1
HDD	2, each up to 20TB each
RS485	1
Alarm Input/Output	16 in / 4 out

GENERAL

OSD Language	English/French/Spanish/Portuguese/German/Italian/Greek/Danish/Finnish/ Russian/ Hebrew/Turkish/Bulgarian/Arabic/Korean/ Japanese/Thai/Hindi/ Romanian/Dutch/Polish/ Persian/Hungarian/Chinese/Ukrainian
Dimension (WxDxH)	378*317*50mm
Weight	2975g
Input Voltage/Current	ATX 280W
Power consumption (excluding hard disk)	12W
Operating Temperature/ Humidity	Temperature: -10°C~+50°C (14°F ~ 122°F) Humidity: Less than 90%RH
FCC/CE	Yes
Rackmount Compatible	Yes

DIMENSIONS

Length: 378MM | Width: 317MM | Height: 50MM



COMPATIBLE HARD DRIVES



WD-HDDPURPLE-4T
UP TO 4TB HARD DRIVE



WD-HDDPURPLE-8T
UP TO 8TB PRO HARD DRIVE



WD-HDDPURPLE-10T
UP TO 10TB PRO HARD DRIVE

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