

# 16 CHANNEL NETWORK VIDEO RECORDER



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.

## 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

**12MP**  
RESOLUTION

Up to 12MP Resolution

**ONVIF**

ONVIF Compliant (G/S/T)

**4K**

4K HDMI Output



Rackmount Compatible



1HDD slot up to 20TB



1080P VGA Output



P2P Connection



ONVIF Encoder

## RECORDING BANDWIDTH

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

## PERFORMANCE

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

## Network

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

## FUNCTIONS IA INSTANT NOTIFICATIONS

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

## INTERFACE

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

## GENERAL

<b>OSD Language</b>	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
<b>Dimension (WxDxH)</b>	378*317*50mm
<b>Weight</b>	2975g
<b>Input Voltage/Current</b>	ATX 280W
<b>Power consumption (excluding hard disk)</b>	12W
<b>Operating Temperature/ Humidity</b>	Temperature: -10°C~+50°C (14°F ~ 122°F) Humidity: Less than 90%RH
<b>FCC/CE</b>	Yes
<b>Rackmount Compatible</b>	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