
















16 CHANNEL NETWORK VIDEO RECORDER

Onvif® | GST | NDAA Compliant | AI



The **GSD-NVRFNC6K-16-N** is a next-generation 16-channel 6K Network Video Recorder designed to deliver robust performance, high-resolution recording, and scalable storage in a professional surveillance solution. Supporting up to 8MP resolution with 6K HDMI output, it provides crisp, detailed image quality for demanding applications. With 16 PoE ports + E-PoE, installation is fast and efficient — simply plug in cameras and power them directly from the recorder. ONVIF compliance ensures wide compatibility across brands, and P2P connectivity allows for secure remote monitoring anytime. Supporting dual HDDs up to **18TB** each, it offers ample long-term storage capacity for larger security deployments.

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

12MP
RESOLUTION

Up to 12MP
Resolution

Onvif

Onvif Compliant
(G/S/T)

4K

4K HDMI Outputs

<⚡>

2x HDMI Outputs



2HDD slot up to
18TB



Rackmount



Alarm 16 In/ 4 Out



16 POE Ports +
E-POE

VIDEO

Input Bandwidth	320M
Output Bandwidth	320M

PERFORMANCE

Recording Resolution	12MP/8MP/5MP/4MP/3MP/1080p/720p
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

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, SADP, SMTP, SNMP, UPnP, HTTP, HTTPS, Onvif (profile G/M/S/T)
Voice Command	Home Device: Google Assistant, Amazon Alexa

FONCTIONS IA INSTANT NOTIFICATIONS

Human Detection	Region Exiting
Vehicle Detection	Cross-Counting
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
Region Entrance	Video Tampering
Queue Length Detection	INSTANT NOTIFICATIONS
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)) 1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 /EDID) 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	1 in / 1 out
E-SATA	1
HDD	2 SATA HDDs, up to 18TB each HDD
RS485	1
Alarm Input/Out	16in /4out

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	Yes
CE	Yes

DOWNLOAD THE OV CONNECT APP

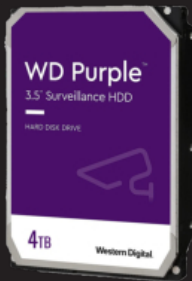


DIMENSIONS

Length:439MM | Width:486.40MM | Height: 157MM



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

DOWNLOAD THE OCTAVUE APP



GOOGLE PLAY



APPLE STORE