



FENNEC SERIES

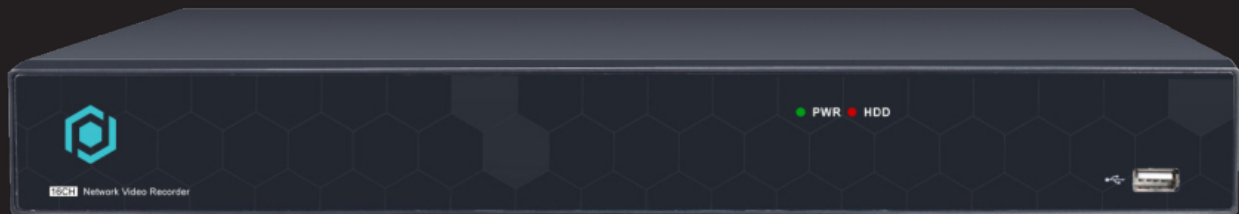
BY



MODEL #
GSD-NVRFNC4K-16-N

16 CHANNEL NETWORK VIDEO RECORDER

Onvif® | G S T



The **GSD-NVRFNC4K-16-N** is a next-generation 16-channel 4K 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 4K 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

8MP
RESOLUTION

Up to 8MP
Resolution

ONVIF

ONVIF Compliant
(G/S/T)

4K

4K HDMI Output



16 POE Ports +
E-PoE



2HDD slot up to
16TB



1080P VGA
Output



P2P Connection



ONVIF Encoder

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RECORDING BANDWIDTH

Resolution	8MP,5MP, 3MP ,2MP(1080P),1.3MP(960P),1.0MP(720P)
Input	112M
Output	96M

PERFORMANCE

DDR	2x 4GB
Installation Wizard	Yes
Compression	Audio: G.711a /G.726 Video : H.264/H.265
AI Features	Yes
Frame Rate	4K:45fps 4MP:90fps 2MP:180fps
Event	MD (Sensitivity Level 1~8) Video loss Beep, Email, Push notification to Mobile APP
Playback Function	Fast forward / backward (2x, 4x, 8x,16X) Slow forward (1/2x, 1/4x, 1/8x,1/16x)
Playback	Max 16CH playback

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

DOWNLOAD THE SMART GUARDIAN APP



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UI/MONITORING

Local	UI5.0
Web	IE10/11, Safari V12.1 above, Firefox V.52 above Google chrome V.57 above, Edge V.79 above
Mobile Viewer	SMART GUARDIAN
Push Notifications	Yes

INTERFACE

P/W Reset	Factory Reset : Press 10 seconds After the button press and the buzzer beeps, it means the reset is done.
VGA	1 (1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)
HDMI	1 (1024*768, 1280*720, 1280*1024,1440*900, 1920*1080 , 2560*1440, 3840*2160/EDID)

CONNECTIONS

POE	16 POE
Ethernet	1 RJ45 100/1000 Base-T
USB	USB2.0*1(front) USB2.0*1+(rear)
Audio Out	1
E-SATA	NO
HDD	2 SATA HDDs, up to 16TB each HDD
Line-In	1
RS485	1
Alarm Input/Out	8 in /1 out

GENERAL

OSD Language	Multiple Languages : EN/FR/ES/DN/TC/IN/JP/ KR
Dimension (WXDXH)	380*324.4*50mm
Input Voltage/Current	DC48V/3.75A PoE Swith :48V
Power Consumption	8W
Operating Temperature/ Humidity	Temperature : 0°C~+40°C (32°F ~ 104°F) Humidity : Less than 90%RH



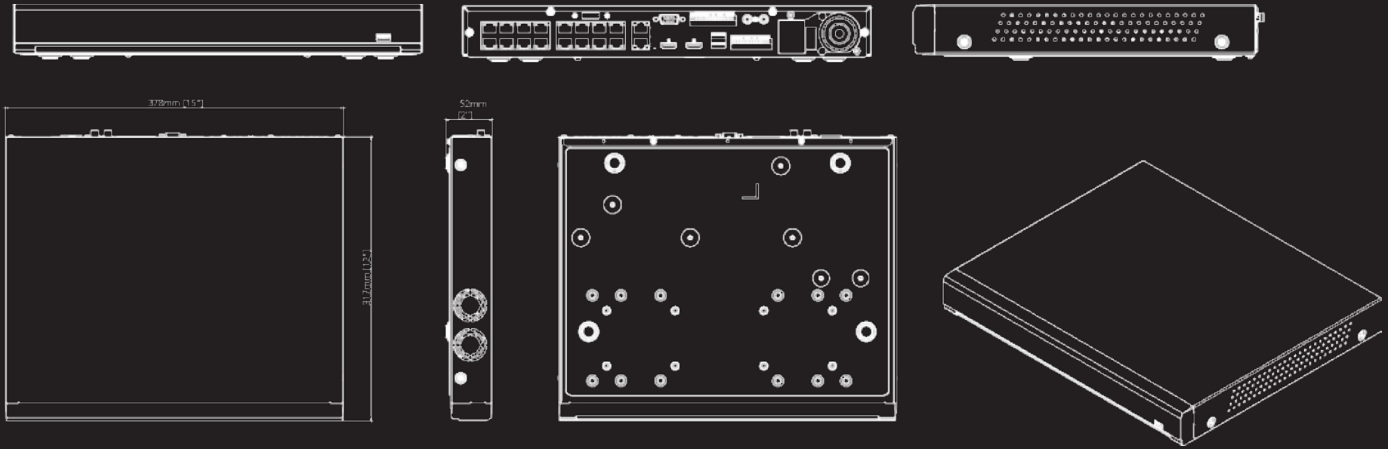
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MODEL # **GSD-NVRFNC4K-16-N**

DIMENSIONS



Length:317MM | Width:378MM | Height: 52MM



HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

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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