FENNEC SERIES

BY GSD GROUP
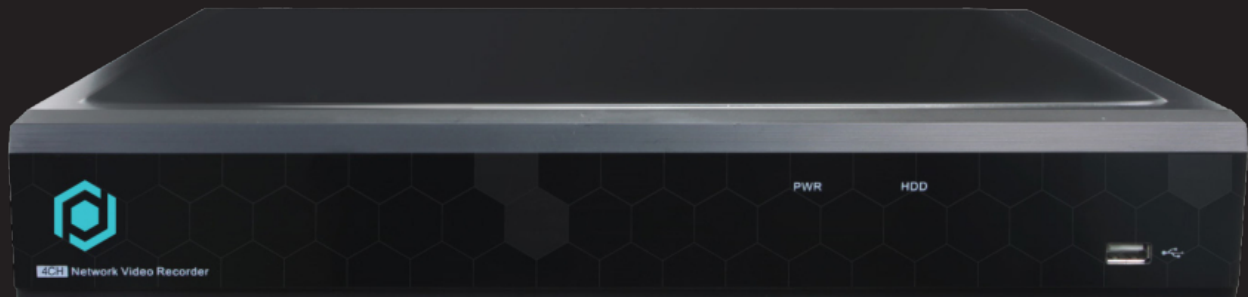
4 CHANNEL NETWORK VIDEO RECORDER

ONVIF® | GST NDAA Compliant ✓ N

The **GSD-NVRFNC4K-04-N** is a next-generation 4-channel 4K Network Video Recorder designed to deliver reliability, clarity, and simplicity in a compact solution. Engineered for professional-grade surveillance, it supports crisp recording up to 8MP resolution with 4K HDMI output for uncompromising image quality. With 4 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 an HDD up to **18TB**, it provides long-term storage capacity ideal for small-scale 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

8MP RESOLUTION — Up to 8MP Resolution

ONVIF — ONVIF Compliant (G/S/T)

4K — 4K HDMI Output

4 POE Ports + E-PoE

1 HDD slot up to 16TB

1080P VGA Output

P2P Connection

ONVIF Encoder

RECORDING BANDWIDTH

Resolution	8MP,5MP, 3MP ,2MP(1080P),1.3MP(960P),1.0MP(720P)
Input	50Mbps
Output	64Mbps

PERFORMANCE

Installation Wizard	Yes
Compression	Audio: G.711a Video : H.264/H.265
AI Features	Yes
Decoding Ressources	Live view:1ch 4K(main stream), if more than 1 4K camera are connected, it will be switched to sub stream. Playback:1ch 4K camera. If you would like to play four cameras, please select substream to playback.
Frame Rate	4K:30fps 4MP:62fps 2MP:120fps
Event	MD (Sensitivity Level 1~8) Videlo 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 4CH 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

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	4 POE
Ethernet	1 RJ45 10/100 Base-T
USB	USB2.0*1(front) USB2.0*1+(rear)
Audio Out	1
E-SATA	N0
HDD	The recorder can support up to 16TB
Line-In	N0
RS485	N0
Alarm Input/Out	N0

GENERAL

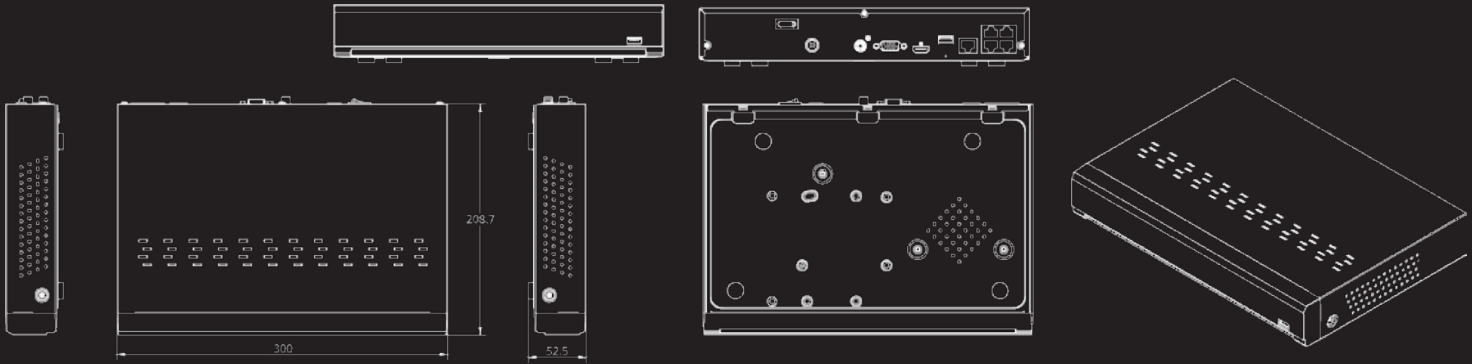|	
OSD Language	Multiple Languages : EN/FR/ES/DN/TC/IN/JP/KR
Dimension (WXDXH)	300X208X53mm
Input Voltage/Current	1HDD:DC48V/1.2A | PoE Swith :48V
Power Consumption	4W
Operating Temperature/ Humidity	Temperature : 0°C~+40°C (32°F ~ 104°F) Humidity : Less than 90%RH

DIMENSIONS

Length:208.7MM | Width:300MM | Height: 52.5MM

LAN3 LAN1

LAN4 LAN2

48V

AUDIO OUT   VGA   HDMI   USB 3.0   WAN

CAUTION

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK DO NOT OPEN COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE UNITS NOT SPECIFICALLY DESIGNED FOR OUTDOOR USE TO RAIN OR MOISTURE.

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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