



FENNEC SERIES

BY



MODEL #
GSD-NVRFNC4K-256-NP

256 CHANNEL NETWORK VIDEO RECORDER

ONVIF®

G S T



The **GSD-NVRFNC4K-256-NP** is a next-generation 256-channel 4K Network Video Recorder engineered for massive-scale surveillance infrastructures requiring maximum reliability and storage. Supporting up to 12MP recording with four 4K HDMI outputs and three HDMI spot monitors, it delivers exceptional clarity across hundreds of camera feeds. Designed for enterprise and governmental operations, it features 16 hot-swappable HDD bays supporting up to **18TB** each, ensuring unmatched long-term retention. Its rackmount architecture, ONVIF compliance, and P2P connectivity make integration seamless while enabling secure access from anywhere. Built for the most demanding security applications, it provides the power and scalability required for mission-critical deployments.

12MP
RESOLUTION

Up to 12MP
Resolution

ONVIF

Audio Output

4K

4x 4K HDMI
Outputs



3 HDMI Spot
Monitors



16HDD slot up to
16TB



Rackmount
Compatible



Alarm 16 In/ 4 Out



Up To 256 IP
CMAS

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

WWW.GSDGROUPINC.COM



A CANADIAN ENTERPRISE



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RECORDING BANDWIDTH

Resolution	8MP,5MP, 3MP ,2MP(1080P),1.3MP(960P),1.0MP(720P)
Input	1024M
Out	1024M

LIVE/PLAYBACK

Compression	Audio: G.711a Video : H.264/H.265/H.264+/H.265+
Frame Rate	4K:240fps 4MP:480fps 2MP:960fps
Event	MD (Sensitivity Level 1~8) Video loss Beep, Email, Push notification to Mobile APP
Playback	Fast forward / backward (2x, 4x, 8x,16X) Slow forward (1/2x, 1/4x, 1/8x,1/16x)
Live/Playback Performance	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](#)


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 3 seconds
HDMI	3 (1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 , 2560*1440, 3840*2160/EDID) 1 (1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 /EDID) Async out
Ethernet	2 RJ45 1000 Base-T
USB	USB2.0*1(front) USB3.0*2(rear)
Audio Out	1
E-SATA	1
HDD	16 SATA HDD, up to 16TB each HDD
Hot Swappable HDD	Yes
Raid Type	RAID0, RAID1, RAID4, RAID5, RAID6 and RAID10
Line In	1
RS232	1*RJ45
RS485	1
Alarm Input/Out	16in /4out

GENERAL

OSD Language	Multiple Languages : EN/FR/ES/DN/TC/IN/JP/KR
Dimension (WDXH)	440*460*189mm
Input Voltage/Current	AC 110~240V ATX 250W
Power Consumption (Excluding Hard Disk)	30-44WATT
Operating Temperature/ Humidity	Temperature : 0°C~+40°C (32°F ~ 104°F) Humidity : Less than 90%RH





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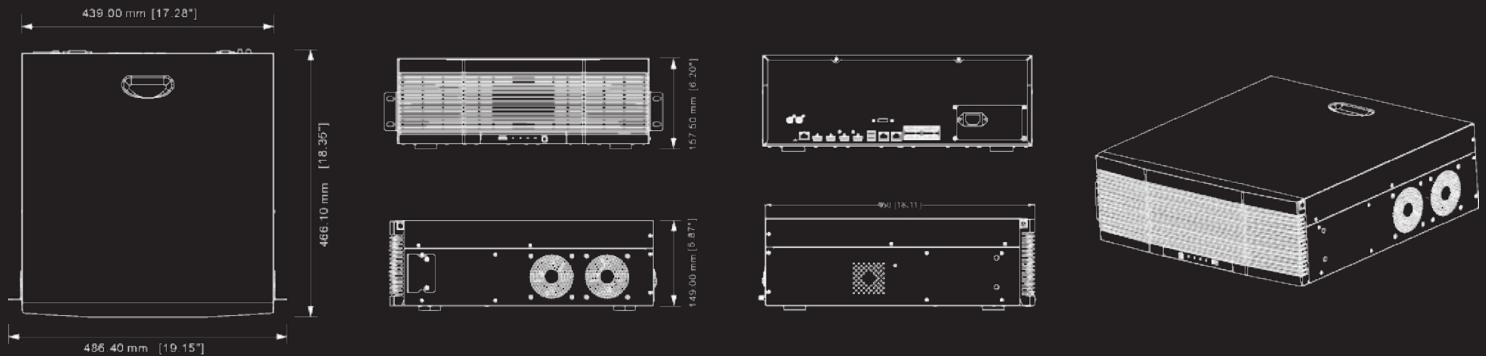
BY



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DIMENSIONS



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



HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

COMPATIBLE HARD DRIVES



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



WD-HDDPURPLE-6T
UP TO 6TB PRO HARD DRIVE



WD-HDDPURPLE-12T
UP TO 12TB PRO HARD DRIVE



WD-HDDGOLD-8T
UP TO 8TB HARD DRIVE
ENTERPRISE CLASS



WD-HDDGOLD-12T
UP TO 12TB HARD DRIVE
ENTERPRISE CLASS

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