



FENNEC SERIES

BY

MODEL #

GSD-DVRFNC4K-16-N-AI

16 CHANNEL DIGITAL VIDEO RECORDER

ONVIF® | GSD

NDAA Compliant



Designed for large-scale deployments, the **GSD-DVRFNC4K-16-N-AI** is a powerful 16-channel AI DVR engineered for enterprise-level security systems. It supports up to 24 IP cameras, offers dual HDD bays with up to 18TB per drive, and includes a full suite of AI features such as license plate recognition, facial recognition, crowd density analysis, and intrusion detection. Featuring 16 alarm inputs and 1 alarm output, 4K HDMI output, ONVIF support, and mobile connectivity, it is ideal for warehouses, campuses, and multi-site installations.

8MP RESOLUTION

Up to 8MP Resolution



2HDD slot up to 32TB

ONVIF

ONVIF Encoder



Spot Monitor Out on BNC

4K

4K HDMI Resolution



P2P Mobile Connection

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Alarm 16 In/ 1 Out



Up to 24 IP Cameras

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



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LIVE

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IP Video Input

4ch,(only IP up to 12ch)

Composite Video Input

Up to 12ch (Analog video + IP video)

PERFORMANCE**Compression**Audio: G.711a
Video : H.264/H.265**Display Resolution**Analog : 8MP (15fps)
5MP (20fps)
4MP/1080P/720P/960H (30fps)
IP : 4K/4MP/1080P/720P
Single IP channel preview up to 4K 30 fps**Speed**Main-stream Analog : 8MP:10fps(each ch) |
5MP:14fps(each ch) | 4MP:18fps(each ch)
1080P : PAL : 25fps(each ch)/NTSC:30fps(each ch)
IP : PAL : 25fps(each ch)/NTSC: 30fps(each ch)
Sub-stream Max
PAL (704*576:10fps(each ch)
NTSC (704*480:10fps(each ch)**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**8MP: 72fps (Max 8CH playback)
5MP: 112fps (Max 8CH playback)
4MP: 144fps (Max 8CH playback)
1080P: 240fps (Max 8CH 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

THESE AI FEATURES ONLY WORK WITH IP CAMERAS, OR ANALOG CAMERAS WITH 2MP OR MORE*RECORDING BANDWIDTH****Inputs**

64~192Mbps

Decrease one Analog channel can increase
8Mbps Analog channel and digital channel
can be converted**Out**

192Mbps

Analog-video-input

16CH inputs

UI/MONITORING**Local**

UI5.0

WebIE10/11, Safari V12.1 above, Firefox V.52
above, Google chrome V.57 above
Edge V.79 above**Mobile Viewer**

SMART GUARDIAN

Push Notification

Yes

Channel

16

INTERFACE**P/W Reset**

Factory Reset : Press 10 seconds

BNC

1 (704*576)

VGA1 (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)**Ethernet**

1 RJ45 100/1000 Base-T

USBUSB2.0*1(front)
USB3.0*1(rear)**Audio**

16 in /1 out

E-SATA

1

HDD

2 SATA HDD, up to 18TB each HDD

RS485

1

Alarm Input/Out

16 in /1 out

GENERAL**OSD Language**

Multiple: EN/FR/ES/DN/TC/IN/JP/KR

Dimension (WXDXH)

300X220X53mm

Input Voltage/Current

DC12V/2A

**Power Consumption
(Excluding Hard Disk)**

11W

**Operating Temperature/
Humidity**Temperature : -10°C~+50°C (14°F ~ 122°F)
Humidity : Less than 90%RH



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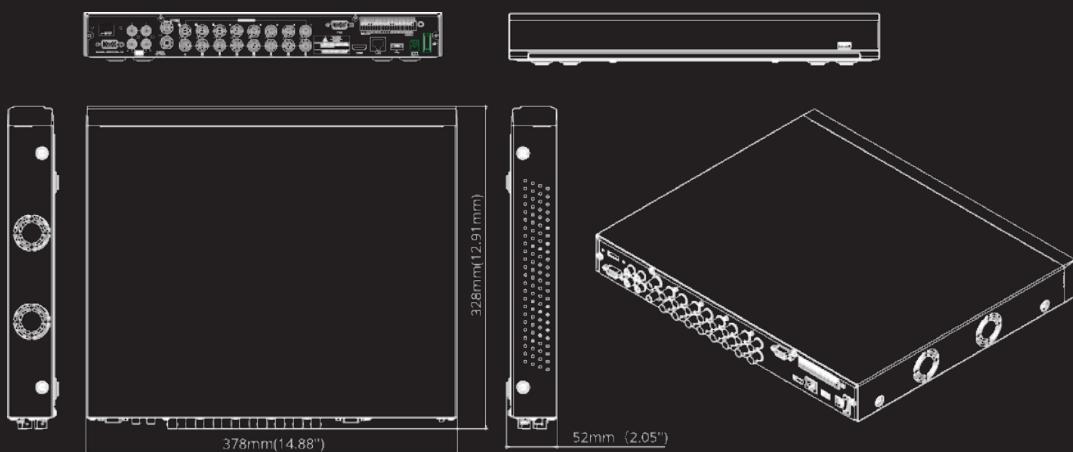
BY



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DIMENSIONS



Length:328MM | Width:378MM | Height: 52.5MM



HDMI®
HIGH DEFINITION MULTIMEDIA INTERFACE

COMPATIBLE ACCESSORIES



BALUNHDA+ VIDEO/POWER/AUDIO OVER CAT5

DISTANCE	400+
FORMAT	PIGTAIL
DETAILS	VIDEO POWER AUDIO
PACKAGE	PAIR
TECHNO	TVI/CVI/AHD/ANALOG



BALUNHD BALUNHD OVER TWISTED PAIR

DISTANCE	700+ FEET
FORMAT	PIGTAIL
DETAILS	2MP/5MP/8MP
PACKAGE	PAIR
TECHNO	TVI/CVI/AHD/ANALOG



SWC5POE-GIGA
POE SWITCH



SWC5POE-MAN
POE SWITCH



WD PURPLE PRO
UP TO 2TB HARD DRIVE



WD PURPLE PRO
UP TO 4TB HARD DRIVE



WD PURPLE PRO
UP TO 8TB HARD DRIVE