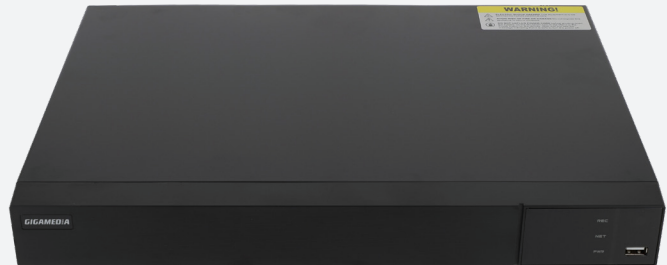




## NVR IP RECORDER

### GGM NVA161602R



Advanced range

A stable and efficient solution, this NVR will bring you satisfaction for the security of your shops, schools, companies...

#### FEATURES

**Software :** 1.4.13

#### SYSTEM

**OS :** Embedded Linux

#### VIDEO

**IP Video Input :** 16CH IPC input

**Network Bandwidth :** 192Mbps/192Mbps  
\*When the AI function of the IPC is enabled, the actual incoming bandwidth(max.bitrate) is more than the set value in the NVR

**Image Size :** 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF

**Output :** 4 CH

**Multi Screen display :** Main output: 1/4/6/8/9/13/16 (live view)  
AUX output: 1/4/6/8/9 (live view)  
AI mode: max 16CH (HDMI and VGA output the same video source, AI by device, face comparison and picture comparison supported)  
Non-AI mode (default mode): max 25CH (VGA can be set to output the same or different video source with HDMI, AI by device, face comparison and picture comparison not supported)

**Compression :** G.711(U/A)

**Network input :** 16 CH IPC audio input

## AUDIO

<b>Local input :</b>	RCA × 1
<b>Local output :</b>	RCA × 1
<b>HDMI Audio Output :</b>	/

## RECORDING

<b>Resolution :</b>	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
<b>Frame rate :</b>	NTSC: 30ips; PAL: 25ips

## PLAYBACK

<b>Simultaneous playback :</b>	Max 16CH
<b>Search :</b>	Time slice / time / event / tag / smart search
<b>Smart Search :</b>	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events
<b>Function :</b>	Play, pause, FF, FB, digital zoom, etc.

## DECODING CAPABILITY

<b>Live View /Playback :</b>	Non-AI Mode: 1×16MP@30fps/4×8MP@30fps/9×3MP@30fps/16×2MP@30fps AI Mode: 1×16MP@30fps/4×5MP@30fps/9×2MP@30fps/16×720P@30fps
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## ALARM

<b>Mode :</b>	Manual, sensor, motion, exception, smart events, etc.
<b>Input :</b>	8 CH local alarm input
<b>Triggering :</b>	Record, snap, preset, e-mail, etc.

## FACE

<b>Face Detection Performance ( AI by IPC ) :</b>	16 CA
<b>Face Detection performance ( AI by device ) :</b>	Picture comparison disabled: 2 CH(2MP) or 1CH (4MP) Picture comparison enabled: 1CH(2MP) or 1CH (4MP)
<b>Face Match Performance :</b>	Picture comparison disabled: 6 CH Picture comparison enabled: 3 CH
<b>Comparison capability :</b>	18 pictures / second
<b>Face Picture database :</b>	32 libraries 10000 Face Pictures
<b>Face Picture search :</b>	Search by picture is supported
<b>Database management :</b>	Add, modify, delete and search face pictures
<b>Face picture adding :</b>	Add face pictures through APP, WEB and external import
<b>Face picture comparison :</b>	Support successful face recognition alarm and stranger match alarm
<b>Track :</b>	Track display on a map
<b>Statistical Graph of information :</b>	Bar graph
<b>Statistical Mode of Information :</b>	Statistics by day, week, month, quarter as well as customized time period

## PERIMETER PROTECTION

<b>Human/Vehicle Classification ( AI by IPC ) :</b>	16 CA
<b>Human/Vehicle Classification ( AI by device ) :</b>	Picture comparison disabled: 2 CH(2MP) or 1CH (4MP) Picture comparison enabled: 1CH(2MP) or 1CH (4MP)

## VIDEO METADATA

<b>Human/Vehicle Analysis ( AI by IPC ) :</b>	Yes (AI by IPC)
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## OTHER FUNCTIONS

<b>Fisheye :</b>	Supports fisheye camera access
<b>Plate recognition ( AI by IPC ) :</b>	1

## NETWORK

<b>Interface :</b>	RJ 45 1000 Mbps × 1
<b>Protocols :</b>	TCP / IP, IPv4, IPv6, UDP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, HTTP, FTP, SMTP, HTTPS, 802.1x, RTSP, RTP, RTCP, WebSocket, SNMP, IGMP, ONVIF
<b>Incomin/outgoing Bandwidth :</b>	192Mbps/192Mbps *When the AI function of the IPC is enabled, the actual incoming bandwidth(max.bitrate) is more than the set value in the NVR
<b>Client Connexion :</b>	Max. 64 users access

## MOBILE DEVICE

<b>OS :</b>	iOS, Android
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## STORAGE

<b>HDD interface :</b>	SATA × 2, max 10T for each HDD
<b>RAID Type :</b>	/
<b>E-SATA interface :</b>	/

## POE

<b>Poe Ports :</b>	RJ 45 100Mbps × 16
<b>Standards :</b>	IEEE802.3AF/AT
<b>Output power :</b>	≤150W

**PORT**

<b>USB :</b>	USB 3.0 × 1 ; USB 2.0 × 2
<b>RS485 :</b>	Yes (full-duplex), connect to PTZ or keyboard
<b>RS232 :</b>	Non
<b>Reset :</b>	Non
<b>Remote controller :</b>	Optional

**OTHERS**

<b>Power :</b>	DC48V/3.75A
<b>Power consumption :</b>	≤20W ( without HDD and PoE power supply )
<b>Dimension :</b>	380 × 268 × 45 ( L × P × H )
<b>Certificate :</b>	CE, FCC
<b>Environmental protection :</b>	Complies with Directive EU RoHS, REACH and WEEE
<b>Operating Temperature :</b>	-10~50 °C, 10%~90% humidity

**PART-NUMBER**

PART-NUMBER	DESCRIPTION
<b>GGM NVA161602R</b>	Advanced NVR 16 channels 16 PoE 2 HDD slot. AI by IPC or NVR

**RELATED PRODUCTS**

PART-NUMBER	DESCRIPTION
<b>GGM HDD1TPUR</b>	High speed Purple hard disk, 1Tb high availability
<b>GGM HDD2TPUR</b>	High speed Purple hard disk, 2 Tb high availability
<b>GGM HDD3TPUR</b>	High speed Purple hard disk, 3 Tb high availability
<b>GGM HDD4TPUR</b>	High speed Purple hard disk, 4 Tb high availability
<b>GGM HDD6TPUR</b>	High speed Purple hard disk, 6 Tb high availability
<b>GGM HDD8TPUR</b>	High speed Purple hard disk, 8Tb high availability
<b>GGM HDD10TPUR</b>	High speed Purple hard disk, 10Tb high availability

**DIMENSIONS**

