



## ESSENTIAL VIDEOSURVEILLANCE KIT 4MP

GGM KITINITUR4MPWH



*It is composed by:*

*1 X 8 channels PoE NVR to power cameras directly*

*4 Turrets cameras with a resolution of 4MP*

*With an angle of view of 96° ( focal lens: 2.8 mm)*

*It is necessary to add an hard drive (maximum 10 Tb)*

*To be able to record vidéo streams.*

The KITINITUR4MPWH is an affordable videosurveillance kit of the «Essential» range.

It can be configured to record continuously on schedule or on event ( motion detection, AI by camera).

It also integrates HDMI output to display video with a maximum resolution of 4K to enjoy full detailed pictures.

Turret cameras embed limited analytics functions ( intrusion détection and crossing line detection for humans)

The NVR is able to support 4 more cameras. It is able to manage a set of analytics functions supported by cameras ( check the supported functions in the datasheet)

GGM WATCH app is available on Apple and Android platforms to enjoy remote access on mobile phone.

You can also download GGM CENTRAL VMS to monitor your installation on a computer.

Affordable solution, this kit will provide a professional solution to secure sales areas, healthcare centers, home uses...

## CAMERA FEATURES

<b>Software :</b>	5.1.2
<b>Model Type :</b>	Turret
<b>Chipset :</b>	Novatek
<b>Image sensor :</b>	1/3" CMOS
<b>Image size :</b>	2560×1440
<b>Electronic shutter :</b>	1 / 3s ~ 1 / 100000s
<b>Iris Type :</b>	Fixed Iris
<b>Minimum illumination :</b>	0.09 lux @F2.2, AGC ON; 0 lux (Illuminator on)
<b>Lens :</b>	2.8 mm@F2.2
<b>Focus :</b>	Fixed Iris
<b>Lens Mount :</b>	M12
<b>Field of view H/V/D :</b>	Horizontal FoV: 96°; Vertical FoV:53.7°; Diagonal FoV:112°
<b>Day &amp; Night :</b>	ICR
<b>WDR (wide dynamic range) :</b>	Digital WDR
<b>BLC :</b>	Yes
<b>HLC :</b>	Yes
<b>Defog :</b>	No
<b>S/N ratio :</b>	≥50dB
<b>Digital NR :</b>	3D DNR
<b>EIS :</b>	No
<b>Angle adjustment :</b>	Pan: 0°~360° ; Tilt:0°~75° ; Rotation: 0°~360°

## PICTURE

<b>Video compression :</b>	Main stream: H.265+ / H.265 / H.264 + / H.264 Sub stream: H.265+ / H.265 / H.264 + / H.264 / MJPEG
<b>H265 Compression standard :</b>	H.265 Compression Standard: Main Profile@Level4.1 High Tier
<b>Privacy mask :</b>	4 mask
<b>Main stream :</b>	4MP/3MP/1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps)
<b>Sub Stream :</b>	D1/VGA/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
<b>Third stream :</b>	/
<b>Bitrate :</b>	64 Kbps ~ 3 Mbps
<b>Bit rate Type :</b>	VBR / CBR
<b>Audio Compression :</b>	G711A/U
<b>Image settings :</b>	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser
<b>Corridor mode :</b>	No
<b>ROI :</b>	Each ROI to be configured separately

## INTERFACES

<b>Network :</b>	RJ45
<b>Surge Protection :</b>	Differential Mode±2KV, Common Mode±4KV
<b>Video Output :</b>	No
<b>Number of audio in :</b>	0
<b>Number of audio out :</b>	0
<b>Buit-in speaker :</b>	/
<b>Built-in microphone :</b>	1CH built-in MIC
<b>Storage :</b>	Network remote storage
<b>Reset :</b>	No
<b>Alarm in :</b>	/
<b>Alarm out :</b>	/

## ANALYTICS

<b>Smart Event :</b>	(Human) region intrusion detection, (human)line crossing detection
<b>Statistics :</b>	/
<b>Exception detection :</b>	Support smart motion detection; filtering motion alarm triggered by other target types except humans
<b>Face detection :</b>	/
<b>Video Metadata :</b>	/

## DORI (BASED ON 2.8mm/2.8-12mm)

<b>Detect :</b>	57m(187ft)
<b>Observe :</b>	23m(75ft)
<b>Recognize :</b>	11m(36ft)
<b>Identify :</b>	6m(20ft)

## FUNCTIONS

<b>Remote monitoring :</b>	Web browser /TVT NVR/GGM CENTRAL/GGM WATCH
<b>Web browser :</b>	IE 11 (plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
<b>Online connection :</b>	Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission
<b>Network protocol :</b>	UDP, IPv4, IPv6, DHCP, NTP, RTSP, 802.1x, HTTP
<b>Onvif version/Profile :</b>	ONVIF 23.06/S
<b>Smart Alarm :</b>	/
<b>General function :</b>	Watermark, video mask, heartbeat
<b>Security :</b>	Video encryption, firmware encryption, configuration encryption, illegal login lock,IP address filtering, 802.1x authentication, basic and digest authentication for HTTP
<b>POE :</b>	Yes, IEEE802.3 af
<b>IR distance :</b>	20 ~ 30 m
<b>Warm led distance :</b>	10 ~ 20 m
<b>IP protection rate :</b>	IP67
<b>IK protection rate :</b>	/

## OTHERS

<b>Power supply :</b>	DC12V/PoE
<b>Power consumption :</b>	< 5W
<b>Storage conditions :</b>	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)
<b>Operating conditions :</b>	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
<b>Dimension :</b>	Ø 94.8 x 82.8
<b>Weight :</b>	Approx. 0. KG
<b>Installation :</b>	Ceiling mounting; wall mounting
<b>Certificate :</b>	CE, FCC
<b>Environmental protection :</b>	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)

## PART-NUMBER

PART-NUMBER	DESCRIPTION
<b>GGM IPIT4F2DL</b>	Essential Turret series. Resolution 4MP lens 2.8 mm IR and WL: 30m IA lite PoE IP67

## NVR FEATURES

**Software :** 1.4.12

## SYSTEM

**OS :** Embedded Linux

## VIDEO

**IP Video Input :** 8CH IPC input

**Network Bandwidth :** 64/64 (Mbps)  
\*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 :** 8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/CIF

**Output :** No

**Multi Screen display :** 1 / 4 / 6 / 8 / 9

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

**Network input :** 4 CH IPC audio input

## AUDIO

**Local input :** No

**Local output :** No (HDMI supports the audio output)

**HDMI Audio Output :** support

## RECORDING

**Resolution :** 8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/CIF

**Frame rate :** NTSC: 30ips; PAL: 25ips

## PLAYBACK

**Simultaneous playback :** Max. 8 CH

**Search :** Time slice / time / event / tag /smart search

**Smart Search :** Highlighted color to display the camera record in a certain period of time, different colors refers to different record events

**Function :** Play, pause, FF, FB, digital zoom, etc.

## DECODING CAPABILITY

**Live View /Playback :** 1CH 8MP;  
4CH 1080P

## ALARM

**Mode :** Manual, sensor, motion, exception, smart events, etc

**Input :** No

**Triggering :** Record, snapshot, buzzer, preset, e-mail, etc

## FACE

<b>Face Detection Performance ( AI by IPC) :</b>	8 CA
<b>Face Detection performance ( AI by device) :</b>	No
<b>Face Match Performance :</b>	No
<b>Comparison capability :</b>	/
<b>Face Picture database :</b>	/
<b>Face Picture search :</b>	/
<b>Database management :</b>	/
<b>Face picture adding :</b>	/
<b>Face picture comparison :</b>	/
<b>Track :</b>	/
<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>	8 CA
<b>Human/Vehicle Classification ( AI by device) :</b>	No

## VIDEO METADATA

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

<b>Fisheye :</b>	Supports fisheye dewarping via Web Client and mobile APP
<b>Plate recognition ( AI by IPC) :</b>	1

## NETWORK

<b>Interface :</b>	RJ 45 100Mbps × 1 TCP / IP, HTTP, HTTPS
<b>Protocols :</b>	TCP / IP, HTTP, HTTPS, 802.1, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, IPv4, UDP, WebSocket, PPPoE, SNMP, IGMP, ONVIF, etc
<b>Incomin/outgoing Bandwidth :</b>	64/64 (Mbps) *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>	SATA3.0 × 1, max 10T
<b>RAID Type :</b>	/
<b>E-SATA interface :</b>	/

## POE

<b>Poe Ports :</b>	100M RJ45 × 4
<b>Standards :</b>	IEEE802.3AF/AT
<b>Output power :</b>	≤ 40W

PORT	
USB :	USB 2.0 × 2
RS485 :	/
RS232 :	Non
Reset :	Non
Remote controller :	No

OTHERS	
Power :	DC 48V/1.8A
Power consumption :	≤ 5W ( without HDD, and PoE off )
Dimension :	255 × 222 × 42 ( L × P × H )
Certificate :	CE, FCC
Environmental protection :	Complies with Directive EU RoHS, REACH and WEEE
Operating Temperature :	-10~50 °C, 10%~90% humidity

### PART-NUMBER

PART-NUMBER	DESCRIPTION
GGM NVI080801D	Essential NVR 8 channels 8 PoE 1 HDD slot. AI by camera.

### RELATED PRODUCTS

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

### DIMENSIONS

