



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 embbed 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

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

PICTURE

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

INTERFACES

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

ANALYTICS

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

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

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

FUNCTIONS

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

OTHERS

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

PART-NUMBER

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

NVR FEATURES

Software :	1.4.12
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SYSTEM

OS :	Embedded Linux
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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
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ALARM

Mode :	Manual, sensor, motion, exception, smart events, etc
Input :	No
Triggering :	Record, snapshot, buzzer, preset, e-mail, etc

FACE

Face Detection Performance (AI by IPC) :	8 CA
Face Detection performance (AI by device) :	No
Face Match Performance :	No
Comparison capability :	/
Face Picture database :	/
Face Picture search :	/
Database management :	/
Face picture adding :	/
Face picture comparison :	/
Track :	/
Statistical Graph of information :	Bar graph
Statistical Mode of Information :	Statistics by day, week, month, quarter as well as customized time period

PERIMETER PROTECTION

Human/Vehicle Classification (AI by IPC) :	8 CA
Human/Vehicle Classification (AI by device) :	No

VIDEO METADATA

Human/Vehicle Analysis (AI by IPC) :	Yes
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OTHER FUNCTIONS

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

NETWORK

Interface :	RJ 45 100Mbps × 1 TCP / IP, HTTP, HTTPS
Protocols :	TCP / IP, HTTP, HTTPS, 802.1, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, IPv4, UDP, WebSocket, PPPoE, SNMP, IGMP, ONVIF, etc
Incomin/outgoing 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
Client Connexion :	Max. 64 users access

MOBILE DEVICE

OS :	iOS, Android
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STORAGE

HDD interface :	SATA3.0 × 1, max 10T
RAID Type :	/
E-SATA interface :	/

POE

Poe Ports :	100M RJ45 × 8
Standards :	IEEE802.3AF/AT
Output power :	≤ 72W

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

