



5MP VIDEO PROTECTION KIT

GGM KITIP816CDM5MP



5 MP resolution
1 PoE NVR 16 channels
8 Mini dome cameras
1 HDD 4Tb



This kit will bring you to CCTV easily.

This kit is composed by one NVR 16 channels PoE with 4 Tb Hard drive. It is possible to record video streams up to 8MP (4K). It is delivered with 8 dome cameras with 5 MP resolution, lens 2.8 mm and Infrared can go up to 20 m. You will be able to see colored pictures even in low light condition thanks to the 0,004 lux sensitivity of the camera. Microphone is integrated for remote doubt removal.

You can add 8 additional cameras that are part of the **GIGAMEDIA** range (IPC)

Analytics functions will bring you more added value to your videosurveillance system by decreasing the false alarm rate. It is possible to classify people and vehicle to limit untimely outdoor detections.

ANALYTICS FUNCTIONS ARE THE FOLLOWING *:

- ▶ **Human & Vehicle detection**
- ▶ **Face detection**
- ▶ **Perimeter intrusion**
- ▶ **Line crossing**
- ▶ **Object detection**
- ▶ **Cross counting**
- ▶ **Heat Map**
- ▶ **Crowd density**
- ▶ **Queue length detection**
- ▶ **Rare Sound Detection**

The friendly interface will help you to manage the system. The first basic configuration can be done in less than 10 minutes

GGM VIEW app will connect to the NVR remotely with your smartphone to see live view, playback and alarms. You can also receive push notifications in case of alarm.

This premium kit will give you full satisfaction for the security of your office.

* All Analytics functions can't be activated at the same time in one camera.

CAMERA FEATURES

INFORMATION SYSTEM

CPU :	SSC30KQ
Flash memory :	128 MB NAND
RAM :	256 MB

TECHNICAL FEATURES

Sensor :		SC500AI 1 / 2.7" CMOS Progressive		
Sensor max. resolution :		2880 x 1620		
Lens type :		Fixed lens		
Focal lenght (mm) :		2.8 mm		
DORI (Detect / Observe / Recognize / Identify) :				
Focal Length	Detect 5%	Observe 10%	Recognize 20%	Identity 40%
2.8 mm	28 m	14 m	7 m	4 m

Opening :	F 1.6
Auto iris :	Fixed iris
Horizontal viewing angle (°) :	110°
Vertical viewing angle (°) :	58°
Diagonal viewing angle (°) :	133°
Micro SD card slot :	1
Embedded storage :	Micro SD card slot max 256 GB
Digital input :	No
Digital output :	No
Audio in :	No
Audio out :	No
Built in microphone :	Yes
Built-in speaker :	No
Reset Button :	Yes
POE :	802.3 af
Shutter speed :	1 / 5 - 1 / 20000s
WDR (wide dynamic range) :	120 dB
Day / Night :	Yes
Day / night switch :	Automatic, manual, schedule
Min. illumination :	Color 0.004lux @ F1.6(AGC ON), B / W: 0 lux @ IR ACTIF
IR Range :	20m

VIDEO

Video compression :	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Resolution and framerate :	2880 x 1620 @30 fps
Stream :	3 simultaneous streams
SNR :	40
Day / Night mode :	Yes
IR management :	Yes
Picture flip / mirror :	Yes
Corridor mode :	Yes
BLC :	Yes
HLC :	Yes
3D noise reduction :	Yes
Image setting :	Brightness / Contrast / Hue / Saturation / Sharpness / White balance
WDR management :	Yes
Privacy mask :	4 zones
Defog :	No
ROI :	Yes

NETWORK

Simultaneous connection on web :	5
Supported protocols :	DDNS / DHCP / DNS / FTP / HTTP / HTTPS / IPv4 / IPv6 / NTP / PPPoE / RTP / RTSP / SMTP / SNMP / TCP / IP / UDP / UPnP
Interface :	RJ-45 10 / 100 Mbps
Onvif version :	ONVIF (Profile S / G / T)

ANALYTICS

Face detection :	Yes
Human and vehicle detection :	Yes
Perimeter Detection Intrusion :	Yes
Crossing Line Detection :	Yes
Stationnary Object Detection :	Yes
Cross Counting :	Yes
Heat Map :	Yes
Crowd Density Detection :	Yes
Queue length detection :	Yes
Licence plate Detection :	Yes
Rare Sound Detection :	Yes

ALARM AND EVENT

Motion Detection :	Yes
Manual triggering :	Yes
Periodical Trigger :	Yes
System boot :	Yes
Recording notification :	Yes
Camera tamper detection :	Yes
Alarm action :	Yes
Flash Alarm :	No
Event notification :	Yes, using HTTP, SMTP, FTP, NAS server
File upload :	Yes, via HTTP, SMTP, FTP, NAS server and MicroSD card

GENERAL INFORMATION

Connector :	RJ-45, 12VDC
Power supply :	PoE (802.3af) or 12 VDC
Power Consumption :	5.1 W
Diameter (mm) :	115
Weight (kg) :	0.556
Material :	Metal
IP Protection :	IP66
Operating temperature range :	From -35 to 60°C
Storage Temperature :	-35°~+ 60°C
Operating humidity :	95%
Warranty period :	24 months

OS AND REQUIRED CONFIGURATION

OS :	Microsoft Windows, MAC
Web browser :	IE10 / 11, Safari V12.1 above, Firefox V.52 above, Google chrome V.57 above, Edge V.79 above

NVR FEATURES

HARDWARE

OS :	Linux embedded
CPU :	ARM processor
Flash :	NAND 128 MB
RAM :	2 x 4 GB

LIVE VIEW AND DECODING CAPACITIES

Display live view :	1x1; 2x2; 3x3; 3x4; 4x4; 1+5; 1+7
Number of camera supported :	16
Graphics interface :	HDMI x 1 VGA x 1
Resolution :	1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080 , 2560 x 1440, 3840 x 2160
Camera grid :	Change the view cell camera on live view screen
Dewarp fisheye :	Use WEB, VMS Pro, device does not support
Stream :	Main stream / Sub stream
PTZ functions :	Control direction, Home, Iris, Preset, Cruise, Patrol
Display enhancement :	OSD NVR, OSD camera, camera information, I/O remote control, event notification

VIDEO

Video Format :	H.264 / H.264+ / H.265 / H.265+ / MJPEG
Decoding capacity :	4 K: 45 fps 4 MP: 90 fps 2 MP: 180fps
Spot Function :	No
Audio :	1 jack 3,5 mm output
Audio Format :	G.711A;G.711U
Audio Input /output :	3,5 mm audio Jack output 3,5 mm audio input

RECORDING

Recording time :	Pre-recording: 10 s, Post recording: 30s, 1, 2, 5 min
Recording stream :	Main stream / Sub stream
Continous recording :	128 Mbps
Recording type :	Continuous / Manual / Schedule / Motion detection / Sensor Triggered / Intelligents Analytics

STORAGE AND BACKUP

Number of HDD :	1
HDD capacity :	10 Tb each
RAID :	No
HDD management :	Create, Format, Overwrite, Remove HDD Smart

Manual backup :	USB dongle
Scheduled backup :	FTP, Cloud, Drop box

PLAYBACK

Playback display :	4/8 channel simultaneously : multiple display 1 x 1
Playback control :	Play, Stop, Pause, next frame, speed control, Schedule
Video search :	Alarm,event,picture,schedule, date/time, intelligent
Snapshot :	.jpg /.jpeg
Export video clip :	.AVI / .RF / .MP4

NETWORK

Network Interface :	RJ-45 port (100/1000 Mbps)
Number of POE port :	16
Number of WAN port :	1
Bitrate :	110 Mbps
Protocols :	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, HTTPS, FTP,

INTERFACES

USB :	2 x USB 2.0
Number of Digital input :	16
Number of Digital output :	1
RS485 :	Yes

SYSTEM

POS Integration :	NA
UPS integration :	NA
Camera integration :	Onvif V2.6 profile S/T/G
Event :	Motion detection, Alarm input, Network failure, Occlusion Detection, Intelligent Analytics
Action :	Recording, email, FTP, buzzer, Cloud notification
User management :	Administrator, Standard user
Log :	System, recording, user, error
Date and Time :	Time zone, Manual, Automatic synch, daylight saving time
Language :	EN / FR / PT / ES / SW ...

ANALYTICS

Intelligent :	Face detection, Face Recognition, Human & Vehicle Detection, Perimeter Intrusion Detection, Line Crossing Detection, Stationary Object Detection, Crossing Counting, Heat Map, Crowd Density Detection, Queue Length Detection, License Plate Detection
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CLIENT

Software :	VMS Pro
App :	GGM VIEW
Web browser :	IE10/11Safari V12.1 above, Firefox V.52 above, Google chrome V.57 above, Edge V.79 above

INSTALLATION

rack mountable :	NA
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GENERAL INFORMATION

Power supply :	48 V DC 1.5 A
Dimensions :	300 x 227 x 53 mm
Weight (kg) :	1.8 kg
Consumption (W) :	8 W
Working temperature :	-10°C - +50°C
Working humidity :	0-90%



KIT PART-NUMBERS



PART NUMBER	DESCRIPTION
GGM KITIP816CDM5MP	Videosurveillance kit 5MP resolution 8 mini dome cameras + 1 PoE NVR 16 channel + 4 TB HDD. Dome camera IR 20m Angle of view 110° Sensitivity 0,004 Lux, AI engines embedded

CAMERA



PART NUMBER	DESCRIPTION
GGM IPCDM5F28	

ASSOCIATED PART NUMBER

PART NUMBER	DESCRIPTION
GGM IPCBJ016	Junction box for IPCDM5F28 for bracket
GGM IPCBJ007	27 cm tube for junction box
GGM IPCBJ008	Wall fixing for junction box
GGM IPCBJ015	Junction box wall/ceiling for IPCDM5F28
GGM POEINJ30PI	30W PoE injector indoor use, plastic case 802.3AT PSE 48V 550mA

NVR



PART NUMBER	DESCRIPTION
GGM NVR011616P	16 channel NVR, 16 PoE port, 2 free slot HDD 10 Tb max.