



## STANDARD SPEED DOME IP CAMERA

### GGM IPSS4425IR160



#### Standard Range

This high-performance camera from the «Standard» series enables intelligent surveillance over medium-sized areas. It is ideal for site security projects, in the tertiary sector, retail, administrative buildings, etc.

#### FEATURES

|                                   |                                                                                           |
|-----------------------------------|-------------------------------------------------------------------------------------------|
| <b>Software :</b>                 | 5.1.1                                                                                     |
| <b>Model Type :</b>               | PTZ dome                                                                                  |
| <b>Chipset :</b>                  | Novatek                                                                                   |
| <b>Image sensor :</b>             | 1/2.7" CMOS                                                                               |
| <b>Image size :</b>               | 2560x1440                                                                                 |
| <b>Electronic shutter :</b>       | 50Hz: 1/25s ~ 1/25,000s; 60Hz: 1/30s ~ 1/30,000s                                          |
| <b>Iris Type :</b>                | DC-IRIS, 16 Stops                                                                         |
| <b>Minimum illumination :</b>     | Color 0.01Lux @ (F1.65 AGC ON) B/W 0.002Lux @ (F1.65 AGC ON); 0Lux with IR                |
| <b>Lens :</b>                     | f=4.8-120 mm lens, 25x optical zoom                                                       |
| <b>Focus :</b>                    | Motorized                                                                                 |
| <b>Lens Mount :</b>               | Ø 14                                                                                      |
| <b>Field of view H/V/D :</b>      | Horizontal: 55° ~ 2.4°±5%; Vertical: 33° ~ 1.4°±5%; Diagonal: 61.5° ~ 2.8°±5% (wide-tele) |
| <b>Day &amp; Night :</b>          | Auto/Manual ,time schedule                                                                |
| <b>WDR (wide dynamic range) :</b> | 120dB                                                                                     |
| <b>BLC :</b>                      | Yes                                                                                       |
| <b>HLC :</b>                      | Yes                                                                                       |
| <b>Defog :</b>                    | No                                                                                        |
| <b>S/N ratio :</b>                | ≥52dB                                                                                     |
| <b>Digital NR :</b>               | 3D DNR                                                                                    |
| <b>EIS :</b>                      | No                                                                                        |
| <b>Angle adjustment :</b>         | pan: 360°endless ; Tilt: -10°~90°                                                         |

## PICTURE

|                                    |                                                                                                                                                                        |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Video compression :</b>         | H.265+/H.265/H.264+/H.264/MJPEG                                                                                                                                        |
| <b>H265 Compression standard :</b> | H.264/AVC codec BP/MP/HP, Level 5.1                                                                                                                                    |
| <b>Privacy mask :</b>              | 4 mask                                                                                                                                                                 |
| <b>Main stream :</b>               | 50Hz: 25fps: 2560×1440,1920×1080,1280×960,1280×720; 60Hz: 30fps: 2560×1440,1920×1080,1280×960,1280×720                                                                 |
| <b>Sub Stream :</b>                | 50Hz: 25fps: (704 × 576, 640 × 480, 352 × 288); 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)                                                                          |
| <b>Third stream :</b>              | 50Hz:25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)<br>60Hz:30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240) |
| <b>Bitrate :</b>                   | 64Kbps to 8Mbps                                                                                                                                                        |
| <b>Bit rate Type :</b>             | VBR / CBR                                                                                                                                                              |
| <b>Audio Compression :</b>         | G.711 A/U                                                                                                                                                              |
| <b>Image settings :</b>            | Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client                                                                                |
| <b>Corridor mode :</b>             | No                                                                                                                                                                     |
| <b>ROI :</b>                       | 4 regions; each ROI to be configured separately                                                                                                                        |

## INTERFACES

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| <b>Network :</b>             | 1 RJ45 10M/100M Adaptive Ethernet ,Support PoE+            |
| <b>Surge Protection :</b>    | Differential Mode±2KV, Common Mode±4KV                     |
| <b>Video Output :</b>        | No                                                         |
| <b>Number of audio in :</b>  | 1                                                          |
| <b>Number of audio out :</b> | 1                                                          |
| <b>Built-in speaker :</b>    | N/A                                                        |
| <b>Built-in microphone :</b> | 1 audio input(MIC in);                                     |
| <b>Storage :</b>             | Network remote storage; micro SD card storage up to 256 Gb |
| <b>Reset :</b>               | Yes                                                        |
| <b>Alarm in :</b>            | 1 Alarm input(Dry contact);                                |
| <b>Alarm out :</b>           | 1 Alarm output                                             |

## PTZ

|                                                    |                                              |
|----------------------------------------------------|----------------------------------------------|
| <b>Number of preset :</b>                          | 360                                          |
| <b>Number of patrol :</b>                          | 8 cruises, up to 16 presets for each cruises |
| <b>3D privacy mask support ( number of zone) :</b> | 4 areas, up to 8 per request                 |

## ANALYTICS

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Smart Event :</b> | <p>Basic event: Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error)</p> <p>Face recognize: (Default off) human face detection, capture and face comparison</p> <p>Road traffic: Vehicle detecting and tracking, etc</p> <p>Smart Detection: Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection, etc. More VCA per request</p> <p>Smart Tracking: Smart tracking of human or vehicle, auto/manual</p> |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| <b>Detect :</b>    | f=4.8mm: 96m(315 f.t.) ; f=120mm: 2200m(7218 f.t.)    |
| <b>Observe :</b>   | f=4.8mm: 38m(124.7 f.t.) ; f=120mm: 873m(2864.3 f.t.) |
| <b>Recognize :</b> | f=4.8mm: 19.2m(63 f.t.) ; f=120mm: 440m(1443.6 f.t.)  |
| <b>Identify :</b>  | f=4.8mm: 9.6m(31.5 f.t.) ; f=120mm: 220m(721.8 f.t.)  |

## FUNCTIONS

|                                |                                                                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Remote monitoring :</b>     | Web browser /TVT NVR/GGM CENTRAL/GGM WATCH                                                                                                               |
| <b>Web browser :</b>           | IE8-11 with plug-in; Edge, Chrome, Firefox with plugin free                                                                                              |
| <b>Online connection :</b>     | Support simultaneous monitoring for up to 10 users;<br>Support multi-stream real time transmission                                                       |
| <b>Network protocol :</b>      | HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP,DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, DHCP, PPPoE                                     |
| <b>Onvif version/Profile :</b> | ONVIF 22.06/T, S, G                                                                                                                                      |
| <b>Smart Alarm :</b>           | Alarm actions, such as Preset, Cruise, Track, Memory Card Video Record, Trigger Recording, Upload to FTP/Memory Card, Send Email, etc                    |
| <b>General function :</b>      | refer to Intelligent Analytics                                                                                                                           |
| <b>Security :</b>              | User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering |
| <b>POE :</b>                   | POE+, 802.3.at                                                                                                                                           |
| <b>IR distance :</b>           | 160m                                                                                                                                                     |
| <b>Warm led distance :</b>     | /                                                                                                                                                        |
| <b>IP protection rate :</b>    | IP66                                                                                                                                                     |
| <b>IK protection rate :</b>    | IK10                                                                                                                                                     |

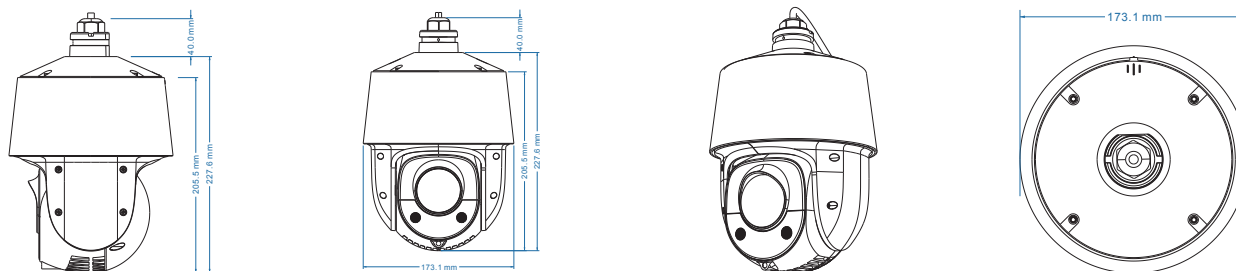
## OTHERS

|                                   |                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------|
| <b>Power supply :</b>             | DC12V±25%,3000mA ,PoE+ (802.3.at)                                             |
| <b>Power consumption :</b>        | max 23W include IR ON+PTZ working                                             |
| <b>Storage conditions :</b>       | -40°C ~ 70°C ; ≤ 95% RH                                                       |
| <b>Operating conditions :</b>     | -40°C ~ 60°C [-40°F ~ 140°F], Cold start at - 30°C(30minutes waiting); 90%RH  |
| <b>Dimension :</b>                | Ø 173mm x 268mm (Ø6.8 inch x 10.55 inch)                                      |
| <b>Weight :</b>                   | Approx. 2.1 Kg (4.63 lb.)                                                     |
| <b>Installation :</b>             | wall mounting, pole mounting, corner mounting, pendant mounting               |
| <b>Certificate :</b>              | ,ROHS,CE,FC                                                                   |
| <b>Environmental protection :</b> | 6000V Lightning Protection, Surge Protection and Voltage Transient Protection |

## PART-NUMBER

| PART-NUMBER              | DESCRIPTION                                                                     |
|--------------------------|---------------------------------------------------------------------------------|
| <b>GGM IPSS4425IR160</b> | Standard PTZ Speed dome. Resolution 4MP Optical zoom 25X IR 300m PoE+ IP66 IK10 |

## DIMENSIONS OF GGM IPSS4425IR160



## ACCESSORIES FOR GGM IPSS4425IR160



GGM ATMB001



GGM ARMK003



GGM AWMB014



GGM AWMB014+GGM APMB001



GGM AWMB014+GGM ACMB001

GGM AJB006+GGM ACMB001