

- 5MP Full-Function WDR IR Varifocal Smart Dome Network Camera
- GW-UDB78RC85HZF



- Features

- High quality image with 5MP, 1/2.7"CMOS sensor
- 5MP resolution 2880\*1620@25fps Smart encoding
- H.265, H.264 Smart Encoding
- Smart Intelligent Cross Line, Enter Area, Leave Area, Intrusion, People Flow Counting, Crowd Density Monitoring.
- Extra-ISP technology ensures high image quality in low illumination environment
- 120dB true WDR technology enables clear image in strong light scene
- Support 9:16 Corridor Mode, Rotation 90°, ROI, Watermark
- 2D/3D-DNR, Slow Shutter, light control, White Balance, Defog
- Support Audio abnormal Detection
- Smart IR, up to 40m (131ft) IR distance
- IP67 protection
- 3-Axis
- With Alarm and Audio port,
- With micro-sd card slot
- Junction Box (optional)

- Technical Specifications

|        |                 |
|--------|-----------------|
| Camera | GW-UWA57RC85HZF |
|--------|-----------------|



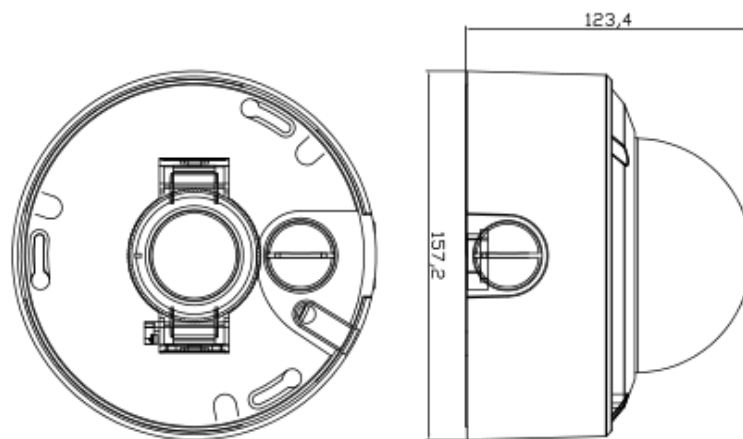
## DATASHEET

|                            |                                                                                                                                                                  |                |            |                   |             |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|-------------------|-------------|
| Image Sensor               | 1/2.7", 5.0 megapixel, progressive scan, CMOS                                                                                                                    |                |            |                   |             |
| Minimum Illumination       | Color: 0.01 lux (AGC ON)<br>0 lux with IR on                                                                                                                     |                |            |                   |             |
| Day/Night                  | IR-cut filter with auto switch (ICR)                                                                                                                             |                |            |                   |             |
| Smart IR                   | Support                                                                                                                                                          |                |            |                   |             |
| Shutter                    | Auto/Manual, 1 ~ 1/100000s                                                                                                                                       |                |            |                   |             |
| Adjustment angle           | Pan: 0° ~ 360°                                                                                                                                                   | Tilt: 0° ~ 90° |            | Rotate: 0° ~ 360° |             |
| S/N                        | >56dB                                                                                                                                                            |                |            |                   |             |
| Illuminator Number         | 24 (SMD IR LED)                                                                                                                                                  |                |            |                   |             |
| Illuminator On/Off Control | Auto; Manual                                                                                                                                                     |                |            |                   |             |
| Illumination Distance      | Up to 40m(131ft)                                                                                                                                                 |                |            |                   |             |
| Lens                       |                                                                                                                                                                  |                |            |                   |             |
| Focal length               | 2.8-12mm Motorized Lens                                                                                                                                          |                |            |                   |             |
| Field of View              | Horizontal: 96.23°~ 31.69°<br>Vertical: 69.98°~ 24.28°<br>Diagonal: 125.10°~37.39°                                                                               |                |            |                   |             |
| DORI Distance              | Lens(mm)                                                                                                                                                         | Detect(m)      | Observe(m) | Recognize(m)      | Identify(m) |
|                            | 2.8                                                                                                                                                              | 6.3            | 25.2       | 12.6              | 6.3         |
|                            | 12                                                                                                                                                               | 270.3          | 108.1      | 54.1              | 27          |
| Smart                      |                                                                                                                                                                  |                |            |                   |             |
| Behavior Analysis          | Intrusion, Cross Line, Enter Area, Leave Area, People Flow Counting, Crowd Density Monitoring                                                                    |                |            |                   |             |
| Target Detection           | Human Body Detection, Vehicle Detection, Non-motor Vehicle Detection                                                                                             |                |            |                   |             |
| Common Alarm               | Motion Detection, Tampering Alarm, Audio Detection (Alarm Input, Alarm Output optional)                                                                          |                |            |                   |             |
| Video                      |                                                                                                                                                                  |                |            |                   |             |
| Video Standard             | Ultra 265, H.265, H.264, MJPEG                                                                                                                                   |                |            |                   |             |
| Video Resolution           | Main Stream: 25fps@5MP(2880x1620)/4MP(2560x1440),<br>30fps@3MP(2304x1296)/1080P<br>Sub stream: 30fps@720P/D1/640x360/CIF<br>Third stream: 30fps@D1/(640x360)/CIF |                |            |                   |             |
| Video Bitrates             | 128 Kbps~16 Mbps, VBR/CBR                                                                                                                                        |                |            |                   |             |
| Day/Night                  | Auto/Color/(B/W)/Timing                                                                                                                                          |                |            |                   |             |

|                        |                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| WDR                    | 2-Exposure Line optical WDR up to 120DB                                                                                     |
| White Balance          | Auto/Indoor/Outdoor                                                                                                         |
| AGC/BLC/HLC            | Support                                                                                                                     |
| DNR                    | 2D/3D DNR                                                                                                                   |
| OSD                    | Up to 8 OSDs                                                                                                                |
| Motion Detection       | Up to 4 areas                                                                                                               |
| Privacy Masking        | Up to 4 areas                                                                                                               |
| ROI                    | Up to 8 areas                                                                                                               |
| Motion Detection       | Up to 22 x 18 cells                                                                                                         |
| Mirror                 | Yes                                                                                                                         |
| Flip                   | Normal/Vertical/Horizontal/180°                                                                                             |
| <b>Audio</b>           |                                                                                                                             |
| Audio Standard         | G.711-u/G.711-a/AAC                                                                                                         |
| <b>Port</b>            |                                                                                                                             |
| Alarm In               | 1                                                                                                                           |
| Alarm Out              | 1                                                                                                                           |
| Audio In               | 1                                                                                                                           |
| Audio Out              | 1                                                                                                                           |
| <b>Network</b>         |                                                                                                                             |
| Network Port           | RJ-45 (10/100 Base-T).                                                                                                      |
| Protocol               | IPv4, IPv6, P2P, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, PPPoE, SMTP, SSL, TLS. |
| P2P                    | Yes                                                                                                                         |
| Compatible Integration | ONVIF 17.12 (Profile S, Profile T), SDK                                                                                     |
| Client Software        | Guard Station -- (PC)<br>Guard Viewer -- (Mobile APP)<br>Guard Tool -- (IP tool)                                            |
| Web Browser            | Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below                                                 |
|                        | Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+                                                   |
| Media                  | CMS, Android, IOS                                                                                                           |

|                      |                                          |
|----------------------|------------------------------------------|
| Storage              | FTP; NAS, Micro-sd card slot up to 256GB |
| <b>General</b>       |                                          |
| Network Port         | 1-RJ45, 100Mbps,                         |
| Power Supply         | 12 VDC $\pm$ 10%, PoE(802.3af)           |
| Power Consumption    | < 8W                                     |
| Operating Temp.      | -30°C -(+60)°C, 10%-90%RH                |
| Protection           | IP67                                     |
| lightning Protection | 4KV                                      |
| Casing Material      | Metal                                    |

- Dimensions (mm)



- Accessories



- Junction Box GW-FSH-07A



Bracket GW-J15-04A