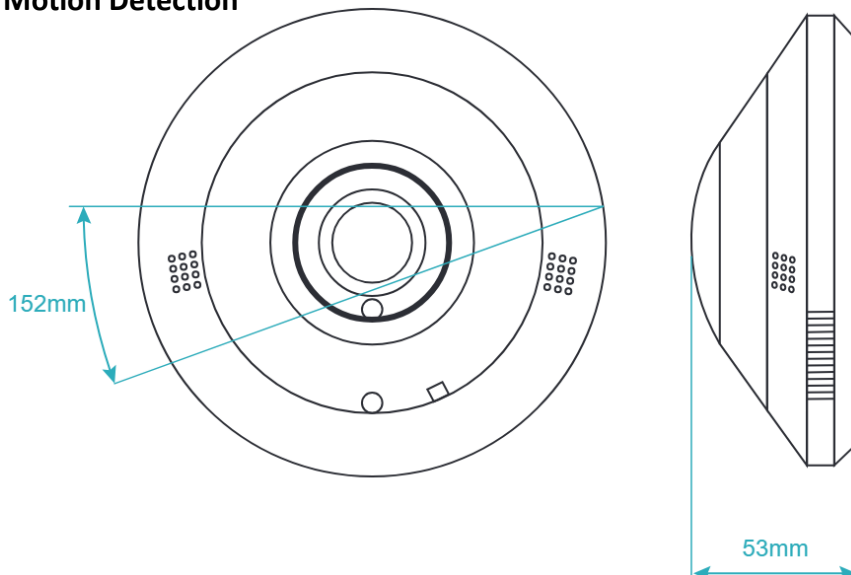


## GRIFFIN GF-IF77PRE60SH-PAN Network Camera

Fully-featured and smart Fisheye, all-around 6MP surveillance



- resolution: 6 Megapixel - StarLight
- Image Sensor: 1/2.8" Progressive Scan SONY IMX415
- CPU: HiSilicon 3516AV300
- Frame Rate: Fisheye(2560\*2560@30fps), 4CH@ePTZ(640\*480@30fps)  
Fisheye + Panoramic + 3CH@ePTZ(2560\*2560 + 1920\*1080 + 640\*480@30fps)  
Fisheye + 4CH@ePTZ(2560\*2560 + 640\*480@30fps)  
Panoramic + 4CH@ePTZ(2560\*2560 + 640\*480@15fps)
- Video Compression: H.264 / H.264+ / H.265 / H.265+, Smart Event Codec
- Lens: 1.68mm Fixed Lens - Six Stream, 6View Mode GRIFFIN Protocols
- Picture Function: 120db WDR, DWDR, 2D/3D-DNR, Defog, BLC, HLC, ROI
- Memory Slot: Micro SD (256Gb Max) - ANR Support
- Audio: Internal Mic, Internal Speaker Audio In, Audio Out
- Alarm: Alarm In, Alarm Out
- IR Distance: 10~20m Smart IR SMD Technology
- Compatibility: Onvif Ver2.6, Profile S, G, T, CGI
- Power Supply: 12V DC / PoE IEEE802.3af
- IP Rating: IP67, IK10, 6KV Surge Protection
- Intelligent Function: Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Video Shelter, Motion Detection



|                |                         |                                                                                                                                                                                                                                  |
|----------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera         | Image Sensor            | 6MP Starlight - 1/2.8" Progressive Scan SONY IMX415                                                                                                                                                                              |
|                | DSP                     | HiSilicon 3516AV300                                                                                                                                                                                                              |
|                | Lens                    | 1.68mm Fixed Lens                                                                                                                                                                                                                |
|                | Resolution              | 2560*2560 (6MP)                                                                                                                                                                                                                  |
|                | Available IR Range      | 10~20m Smart IR SMD Technology                                                                                                                                                                                                   |
|                | D/N Filter              | IR Cut Filter Switch (ICR)                                                                                                                                                                                                       |
|                | Min Illumination        | Color: 0.005 Lux(AGC on) - B/W: 0.0 Lux(IR on)                                                                                                                                                                                   |
|                | Angle of View           | H-FOV: 180°, V-FOV: 180°, D-FOV: 180°                                                                                                                                                                                            |
|                | StarLight View          | Color / IR                                                                                                                                                                                                                       |
| Picture Adjust | Picture Function        | 120db WDR, DWDR, 2D/3D-DNR, Defog, BLC, HLC, ROI                                                                                                                                                                                 |
|                | Shutter Speed           | Manual (1/3 ~ 1/100.000), Auto                                                                                                                                                                                                   |
|                | Image Parameter Control | Off, On, Timing (Adjust 0 ~ 255)                                                                                                                                                                                                 |
|                | D/N Control             | Timing, Auto, Color on, Color off                                                                                                                                                                                                |
|                | Image Parameter         | Saturation, Brightness, Contrast, Sharpness, Hue                                                                                                                                                                                 |
| Video Audio    | Video Compression       | H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG                                                                                                                                                                                 |
|                | Audio Compression       | G.711A, G.711U                                                                                                                                                                                                                   |
|                | Frame Rate(60Hz)        | Fisheye(2560*2560@30fps)<br>4CH@ePTZ(640*480@30fps)<br>Fisheye + Panoramic + 3CH@ePTZ(2560*2560 + 1920*1080 + 640*480@30fps)<br>Fisheye + 4CH@ePTZ(2560*2560 + 640*480@30fps)<br>Panoramic + 4CH@ePTZ(2560*2560 + 640*480@15fps) |
|                | Transmission Stream     | Six Stream, 6View Mode GRIFFIN Protocols (Code Rate: 128kb-10mb)                                                                                                                                                                 |
| Network        | Protocols               | TCP/IP (V4,V6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (V1, V2, V3), UDP, NAT, Multicast                                                                   |
|                | Compatibility           | Onvif Ver2.6, Profile S, G, T, CGI, SDK, API                                                                                                                                                                                     |
|                | Max Users               | 10 Users                                                                                                                                                                                                                         |
|                | Streaming Method        | Unicast, Multicast                                                                                                                                                                                                               |
|                | Web Viewer              | Internet Explorer, Edge, Firefox, Chrome                                                                                                                                                                                         |
|                | Recording Software      | Unlimited CMS/VMS 128CH Per Monitor                                                                                                                                                                                              |
|                | Smart Device            | IOS, Android Phone & Tablet                                                                                                                                                                                                      |
| Function       | Recording               | FTP, NVR, CMS, VMS, NAS, SD Card, ANR                                                                                                                                                                                            |
|                | Record Type             | Manual, Motion Detection, Smart Detection, Schedule                                                                                                                                                                              |
|                | Alarm Triggers          | All Intelligent Function                                                                                                                                                                                                         |
|                | Event Action            | Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message                                                                                                                                                                    |
|                | Intelligent Function    | Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Video Shelter, Motion Detection                                                                                                                                  |
| Interface      | Network                 | RJ45(10/100mbps)                                                                                                                                                                                                                 |
|                | Audio                   | Internal Mic, Internal Speaker Audio In, Audio Out                                                                                                                                                                               |
|                | Alarm                   | Alarm In, Alarm Out                                                                                                                                                                                                              |
|                | CVBS                    | N/A                                                                                                                                                                                                                              |
|                | Power                   | PoE LAN, DC In                                                                                                                                                                                                                   |
|                | Memory Slot             | Micro SD (256Gb Max) - ANR Support                                                                                                                                                                                               |
| General        | IP Rating               | IP67, IK10, 6KV Surge Protection                                                                                                                                                                                                 |
|                | Power Supply            | DC12V ± 10%                                                                                                                                                                                                                      |
|                | POE Supply              | IEEE802.3af - Max 10Watt                                                                                                                                                                                                         |
|                | Dimension               | 152*53 mm                                                                                                                                                                                                                        |
|                | Weight                  | 725 gr                                                                                                                                                                                                                           |
|                | Operation Humidity      | Max Up to 95%RH(Non Condensing)                                                                                                                                                                                                  |
|                | Operation Temp          | -40°C ~ +70°C                                                                                                                                                                                                                    |
|                | MTBF                    | 100K hrs min. MIL-HDBK-217F (25°)                                                                                                                                                                                                |