



## 2 MP Fixed Varifocal IP Bullet Cameras

Model No: **GL-3VFSIP**



### Overview

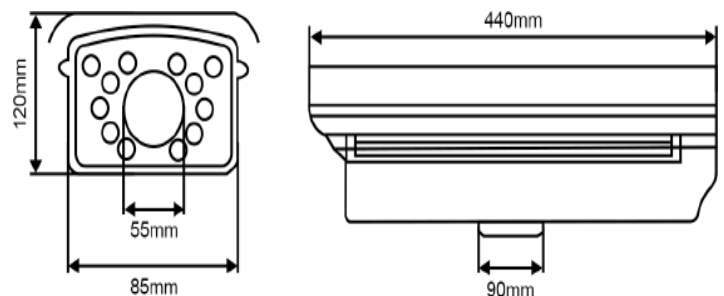
Glotec has developed the **GL-3VFSIP (Intelligent Video Analytics)** IR Bullet Network camera to support high-performance edge analytics. This enables the creation of scalable, intelligent video solutions for various video surveillance systems with different requirements. The camera comes with integrated video analytics, including Cross Line Detection, a trip-wire application that automatically detects intrusions and sets off alarms when objects cross a virtual line.

The **Glotec, GL-3VFSIP** also boasts a detailed 2-megapixel resolution with H.265 high-efficiency compression technology that delivers a frame rate of 30 fps and True WDR enhancement for excellent visibility in extremely bright and dark environments. Adjusting the focus of a megapixel network camera can be challenging because of the image detail, but the Smart Focus function makes installation and adjustment easier. The camera's weather-resistant features are ideal for indoor and outdoor surveillance, with an IK10 impact resistance rating and waterproof IP67 rating housing. It can withstand temperatures ranging from  $-40^{\circ}\text{C}$  to  $55^{\circ}\text{C}$ , delivering impressive results outdoors and in harsh environments.

### Features

- Onvif compliant and RTSP protocol support.
- Advance H.265 compression saves 60~80% bandwidth and storage size compared with H.264.
- Support multi IVS (Intelligent Video Analysis) function.
- Search and playback the video clips of SD card from Web Browser.
- Auto alarm when SD card and Network failed, IVA TRIGGER, IP conflict, Illegal access.
- Support export/import/restore system configuration for backup purposes
- Removable IR-cut filter supports for Day & Night application used.
- Quick Zoom® simple Zoom and Auto-Focus adjustment remotely.
- Smart IR Illuminators adjust the IR LED light across the entire area to get a well-illuminated image, effective up to 150 meters.
- Vandal-proof IK10-rated, IP 67 Weather-proof-rated housing.
- True WDR Enhancement for Unparalleled Visibility in Extremely Bright and Dark Environments.
- H.265/H.264 /MJPEG multiple simultaneous streams. On-camera motion detection and privacy mask.
- Pixel Counter and FPS display on the video for image clarity measurement to get the optimum video quality and file size.
- Virtual ePTZ for efficiency surveillance.
- ROI (Region of Interest) encoding enhances the quality of images specified in advance.
- Adjustable auto reboot schedule by day, weekly, once, and disabled.
- Wide operation temperature ( $-40^{\circ}\text{C}$  ~  $55^{\circ}\text{C}$ ) rage.

### Diagram



## CPU & Memory

Embedded ARM Cortex-A9, 816MHz, 512MB, DDR3L, 256MB flash memory

## Image Device

1/2.8" 2MP Sony progressive scan CMOS sensor.

## Audio

G.711 Ulaw audio encoding and decoding. Line/Microphone audio in; Audio output, Two-way audio, Audio in/out gain adjustable (Mute~100 levels)

## Network

Protocol	IP4, IP6, HTTP, HTTPS, SSL, TCP, ICMP, RTP, UDP, IGMP, RTCP, SMTP, DHCP, DNS, FTP, NTP, SNMP, Sntp, DDNS, RTSP, RTMP, UPnP, PPPoE, Multicast.
Interface	RJ-45; 10BASE-T/100 BASE-TX.
Compatible	Onvif Profile S, T compliant

## IVA Functions

Tripwire Detection, Smart Motion Detection, Video Motion Detection, Active Tampering Alarm,

## Trigger Events

Motion Detection, Alarm In, Tampering, Trip Zone

## Management

Time	Manual Time Setting; Time Server, NTP support, DST Bias and Real Time Clock.
Event Trigger	Motion / Tamper / Audio / Alarm / Network lost detection /Smart Event
Event notification	Event notification via Pop up video, move PTZ camera preset, send email and trigger alarm output.
Update	Online Firmware update.

## Browser

Internet Explorer 9.0 and above; Edge, Chrome, Safari, Firefox.

## Video Setting

Compress	H.265, H.264 HP/MP/BL, MJPEG encode, CBR/VBR mode
Frame Rate	30fps@ 2MP and the rest resolution. 16K 8M Bits/sec. Adjustable resolution, quality, frame rate
Bit Rate	and bitrate. Streaming 1: 1920x1080
Resolution	Streaming 2: 720x576, 640x480, 352x288 Streaming 3: 352x288; Streaming 4 (optional)
Display Mode	16:9 / 4:3/ Full/ Original size modes.

## Network Storage (NAS)

Support: SAMBA/CIFS

## Control

Brightness, Contrast, Saturation, Sharpness, Hue, Exposure, Motion detection, Mirror, Corridor mode, Gamma Shutter, Privacy mask, Flicker less, 3D Noise reduction, Defog, IRIS, AWB, AGC, Backlight, WDR, ICR, ROI, ePTZ, Audio gain, Alarm in/out, IVS trigger, IRIS, Network Failed detect, SD card filed detect, FTP, Email, Power Frequency, IP Conflict, Illegal Access, Alarm triggered, Frame/Bit rate display.

## Backup

Import/Export parameters, Restore setup.

## S/N Ratio

More than 50dB

## Illumination

Color: 0.1Lux/F1.6; B/W: 0.02/F1.6 Lux, 0 Lux IR on.

## WDR

≥ 120 dB; True WDR/DWDR/OFF Mode.

## Shutter

Auto /Fixed: 1/30s~1/120,000s

## White Balance

Auto/ Customize/ Incandescent/ Fluorescent/ Warm / Natural

## Backlight

Off/ Highlight correction/ Backlight correction

## Overlay

Text / Time Stamp; support more than OSD 80 characters, Front type, Front size, position & Color adjustable by user.

## I/O Port

## Standard

Two-way Audio in x1; Audio out x1; DC power in, RJ-45, SD Card.

## Option

Digital Alarm in x2, Alarm out x1.

## Security

### Lens & IR LED

## Lens

30x Optical zoom (f=5.2 ~ 156 mm/ F1.3 to F4.8); 69.4° (Wide) to 2.28° (Tele end); 16x Digital zoom (Optional).

## IR Cut

Built in removable IR-cut filter for day & night function. IR Cut swap trigger by external, auto, manual, and schedule.

## IR Illuminators

12 pieces VCSEL IR Illuminators effective up to 150 meters. Support Smart Auto/Off/Manual IR LED control. Adjustable IR intensity

## IR Range

150 meters (Wavelength: 850nm ~ 940 nm)

## Beam Angle

10°, 20°, 30°, 60°, 80°, and 95°

## Storage

## SD Card

micro SD / SDHC / SDXC, Smart Failover (Up to 256GB)

## Backup

Backup/Restore to device configuration file to SD or HDD.

## Housing

## Case

Aluminum alloy

## Dimensions

85 mm x 120 mm x 440 mm / 6.5Kg.

## Operation

## Power

12VDC, PoE IEEE 802.3af (Class 2)

## Source and consumption

12V=,0.43A,5.16W, PoE, IEEE 802.3af (Class 2), 5W

## Temperature

-40° C ~ 55° C; Humidity 0% ~ 90% RH

## Certificated

**BIS, CE, FCC, RoHS, IP67, IK10**

