# GV-GBLF2802 AI 2MP H.265 Super Low Lux WDR Pro Full Color Warm LED IR

## Bullet IP Camera





- Al deep learning: Smart Perimeter Protection & Classification (Human, Vehicle)
- 1/2.8" progressive scan CMOS sensor
- Min. illumination at 0.008 lux
- Triple streams from H.265, H.264 or MJPEG
- Up to 30 fps at 1920 x 1080
- Smart warm LED distance up to 30 m (100 ft)
- Intelligent IR
- Wide Dynamic Range Pro (WDR Pro)
- IR distance up to 30 m (100 ft)
- Built-in microphone
- Built-in microSD card slot (SDHC / SDXC / UHS-I, Class 10) for local storage
- Ingress protection (IP67)
- Vandal resistance (IK10 for metal casing)
- DC 12V / PoE (IEEE 802.3af)
- 3D noise reduction
- Al analytics (Line Crossing, Region Intrusion)
- Smart lighting switch between IR LED (for motion detection) and Warm LED (for people, vehicle and motorcycle detection)
- Motion detection
- Text overlay
- Privacy mask
- 19 languages supported
- ONVIF (Profile G, S, T, M) conformant

### Introduction

GV-GBLF2802 is a 2 MP outdoor bullet IP camera, equipped with smart warm LED for full color surveillance during nighttime. The camera supports H.265 video codec to achieve a better compression ratio while maintaining high-quality pictures at reduced network bandwidth. GV-GBLF2802 adheres to IP67 and IK10 standards and can be powered through PoE.

Empowered by deep learning algorithms, AI technology distinguishes humans and vehicles from other moving objects. Integrated with GeoVision Video Management Software (GV-VMS), it supports AI perimeter protection, real-time alert, playback, and more.

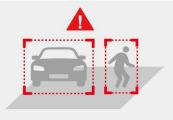
### Models

Model	Iris	Focal Length (mm)	Horizontal FOV	Maximum Aperture	Image Format
GV-GBLF2802-2F	Fixed	2.8 mm	107°	F/1.6	1/2.8″
GV-GBLF2802-3F		3.6 mm	89°		

### **Deep Learning Function**

### **AI Perimeter Protection**

(Line Crossing, Region Intrusion)



## **Specifications**

Image Sensor    1/2.8" progressive scan CMOS      Picture Elements    1920 (H) x 1080 (V)      Minimum    Color    0.008 Lux (FL, 6AC ON)      Illumination    IR On    0 Lux      Shutter Speed    Auto / Manual (1/3 ~ 1/100000 sec)    Withe Balance      Automatic, Manual    Automatic, Manual      Gain Control    Automatic, Manual      Syn Ratio    50 dB      WDR Pro    Yes      Dynamic Range    120 dB      Lens    GV-GBLF2802.2F    GV-GBLF2802.3F      Megapixel    2 MP      Day / Night    Yes (with removable IR-cut filter)      Lens Type    Fixed      Focal Length    2.8 mm    3.6 mm      Maximum Aperture    F/1.6      Mount    M12      Horizontal FOV    107"    89"      Operation    Fixed      Operation    Fixed    20 m (100 ft)      Illumination    Jos m (100 ft)    30 m (120 ft)      Illumination    Jos m (120 ft)    10 m (32.8 ft)    5 m (16.4 ft)      Operation    LED Quantity    1 Warm LED    30 m (120 ft)    30 m (120 ft) <th>Camera</th> <th></th> <th></th> <th></th> <th></th> <th></th>	Camera							
Minimum Illumination      Color      0.008 Lux (F1.6, AGC ON)        IR On      0 Lux        Shutter Speed      Auto / Manual (1/3 ~ 1/100000 sec)        White Balance      Automatic, Manual        Gain Control      Automatic, Manual        SyN Ratio      50 dB        WDR Pro      Yes        Dynamic Range      120 dB        Lens      GV-GBLF2802.2F      GV-GBLF2802.3F        Megapixel      2 MP        Day / Night      Yes (with removable IR-cut filter)        Lens Type      Fixed        Focal Length      2.8 mm        Asimum Aperture      F/1.6        Mount      M12        Horizontal FOV      107"        Operation      Zoom        Zoom      Fixed        Outity      1 IR LED        Max. IR Distance      30 m (100 ft)        Distance      30 m (100 ft)        Distance      30 m (100 ft)        Ude Compression      H.265, H.265+, H.264, H.264+, MJPEG        Video Compression      H.265, H.265+, H.264, H.264+, MJPEG        Video Compression      H.265, H.265+, H.264, H.264+, M.264 / A0 (432 x	Image Sensor		1/2.8" progressive	scan CMOS				
Illumination  IR On  0 Lux    Shutter Speed  Auto / Manual (1/3 ~ 1/100000 sec)    White Balance  Automatic, Manual    Gain Control  Automatic, Manual    Gain Control  Automatic, Manual    Gain Control  Automatic, Manual    Gain Control  Automatic, Manual    S/N Ratio  50 dB    WDR Pro  Yes    Dynamic Range  120 dB    Lens  GV-GBLF2802-2F    GV-GBLF2802-3F  GV-GBLF2802-3F    Megapixel  2 MP    Day / Night  Yes (with removable IR-cut filter)    Lens  Fixed    Focal Length  2.8 mm    Maximum Aperture  F/1.6    Mount  M12    Horizontal FOV  107°    R LED  Fixed    Quantity  1 IR LED    IR LED  Max. IR    Distance  30 m (100 ft)    Smart  LED Quantity    Illumination  Max. LED    Max. LED  Max. LED    Max. LED  30 m (100 ft)    Dor  Three streams    Video Compression  H.265, H.264, H.264+, MJPEG    Video Compression  H.265, H.264, H.264+, MJPEG    Video Streaming  Third Stream	Picture Elements		1920 (H) x 1080 (V)					
Shutter Speed  Auto / Manual (1/3 ~ 1/100000 sec)    White Balance  Auto matic, Manual    Gain Control  Automatic, Manual    S/N Ratio  S0 dB    WDR Pro  Yes    Dynamic Range  120 dB    Lens  GV-GBLF2802-2F    Megapixel  2 MP    Day / Night  Yes (with removable IR-cut filter)    Lens Type  Fixed    Focal Length  2.8 mm    Maximum Aperture  F/1.6    Mount  M12    Horizontal FOV  107"    Operation  Fixed    Zoom  Fixed    Operation  Fixed    Max. IRD  30 m (100 ft)    Distance  30 m (100 ft)    Dor  30 m (100 ft)    Dor  Detect  Observe    Recognize  Identify    Illumination  Main Stream    1920 × 1080 (Default), 1280 x 720    Video Compression  H.265, H.264, H.264+, MIPEG    Video Compression  H.265, H.264, H.264+, MIPEG    Video Compression  H.265, H.264 VA 480, 640 x 480, 640 x 480, 640 x 480, 743 x 282 x 240, 552 x 248    Third Stream  1920 x 1080 (Default), 1280 x 720    Video Compression  Main Stream    1920 x 1080 (Default), 1280 x 720 /	Minimum Color		0.008 Lux (F1.6, AGC ON)					
White Balance  Automatic, Manual    Gain Control  Automatic, Manual    SyN Ratio  50 dB    WDR Pro  Yes    Dynamic Range  120 dB    Lens  GV-GBLF280-2F    GV-GBLF280-2F  GV-GBLF2802-3F    Megapixel  2 MP    Day / Night  Yes (with removable IR-cut filter)    Lens Type  Fixed    Focal Length  2.8 mm    Maimum Aperture  F/1.6    Mount  M12    Horizontal FOV  107"    Boy  Focus    Zoom  Fixed    Operation  Focus    Iris  Fixed    Optimization  30 m (100 ft)    IR LED  Max. IR    Distance  30 m (100 ft)    Smart  LED Quantity    Illumination  Min Strace    OP  Three streams    Video Compression  H.265, H.265+, H.264+, H.264+, MIPEG    Video Compression  Three streams    Video Compression  Tota x480 (Default), 1280 x 720    Video Resolution  Sub Stream    Third Stream  30 for at 1920 x 1080 / 1280 x 720 / 704 x 480 / 352 x 240, 352 x 248    So for at 1920 x 1080 / 1280 x 720 / 704 x 480 / 352 x 240 (552 x 240 (552 x 288			0 Lux					
Gain Control    Automatic, Manual      S/N Ratio    50 dB      WDR Pro    Yes      Dynamic Range    120 dB      Lens    GV-GBLF2802-2F      Megapixel    2 MP      Day / Night    Yes (with removable IR-cut filter)      Lens Type    Fixed      Focal Length    2.8 mm      Automatic, Manual    3.6 mm      Maximum Aperture    F/1.6      Mount    M12      Horizontal FOV    107°      Operation    Fixed      Zoom    Fixed      Max. IR    30 m (100 ft)      Distance    30 m (100 ft)      Operation    2.8 mm    41 m (134.5 ft)    16 m (52.4 ft)    8 m (26.2 ft)    4 m (13.1 ft)      Lens    2.8 mm    1010 (4.0 ft)    20 m (65.6 ft)    10 m (32.8 ft)    5 m (16.4 ft)      Operation    Udeo Compression    H.265.H.265+H.1264, H.264+, MJPEG    Yideo Compression    Three streams      Video Resolution    Sub Stream    1920 x 1	Shutter Speed							
S/N Ratio      50 dB        WDR Pro      Yes        Dynamic Range      120 dB        Lens      GV-GBLF2802-2F      GV-GBLF2802-3F        Megapixel      2 MP        Day / Night      Yes (with removable IR-cut filter)        Lens Type      Fixed        Focal Length      2.8 mm      3.6 mm        Maximum Aperture      F1.6      Mount        More Torial FOV      107°      89°        Operation      Fixed      Stread        Operation      Fixed      Stread        Maximum Aperture      Fixed      Stread        Operation      Fixed      Stread        Operation      Gound It IR LED      Max. IR Distance      Som (100 ft)        Distance      30 m (100 ft)      Som (164.0 ft)      20 m (52.4 ft)      8 m (26.2 ft)      4 m (13.1 ft)        Lens      2.8 mm      41 m (134.5 ft)      16 m (52.4 ft)      8 m (26.2 ft)      4 m (13.1 ft)        Operation      Less M1 m (234.5 ft)      16 m (52.4 ft)      8 m (26.2 ft)      4 m (13.1 ft)        Operation      H.265, H.265+, H.264+, H.264+, MJPEG      10	White Balance		Automatic, Manual					
WDR Pro      Yes        Dynamic Range      120 dB        Lens      GV-GBLF2802-2F      GV-GBLF2802-3F        Megapixel      2 MP        Day / Night      Yes (with removable IR-cut filter)        Lens Type      Fixed        Focal Length      2.8 mm        Maximum Aperture      F/1.6        Mount      M12        Horizontal FOV      107°        Operation      Fixed        Iris      Fixed        Untity      11R LED        Max. IR      30 m (100 ft)        Distance      30 m (100 ft)        Illumination      Max. IED        Jostance      30 m (100 ft)        Dor      Detect      Observe      Recognize      Identify        Video Compression      H.265, H.265+, H.264+, MIPEG      5 m (16.4 ft)        Operation      Sub Stream      704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288        Video Resolution      Sub Stream      704 x 480, 704 x 576, 640 x 480 / 554	Gain Control							
Dynamic Range      120 dB        Lens      GV-GBLF2802-2F      GV-GBLF2802-3F        Megapixel      2 MP        Day / Night      Yes (with removable IR-cut filter)        Lens Type      Fixed        Focal Length      2.8 mm      3.6 mm        Maximum Aperture      F/1.6      Mount        Moint      M12      M12        Horizontal FOV      107°      89°        Operation      Fixed      GV-GBLF2802-3F        Mount      M12      Maximum      Ale        Operation      Focus      Fixed      GV-GBLF2802-3F        Mount      Max      Max      Max      Max        Operation      Focus      Fixed      GV-GBLF2802-3F        Max. LED      Out (100 ft)      Distance      GV-GBLF2802-3F        Max. LED      30 m (100 ft)      30 m (100 ft)      Max. LED        Doltance      Out (140 ft)      20 m (65.6 ft)      10 m (32.8 ft)      5 m (16.4 ft)        Operation      H.265, H.264, H.264+, M.264+, M.PEG      Video Compression      H.265, H.265+, H.264+, M.264+, M.PEG        Video Resolution	S/N Ratio							
Lens      GV-GBLF2802-2F      GV-GBLF2802-3F        Megapixel      2 MP        Day / Night      Yes (with removable IR-cut filter)        Lens Type      Fixed        Focal Length      2.8 mm        Ausinum Aperture      F/1.6        Mount      M12        Horizontal FOV      107°        Operation      Focus        Zoom      Fixed        Quantity      1 IR LED        Max. IR      30 m (100 ft)        Distance      30 m (100 ft)        Distance      30 m (100 ft)        Distance      30 m (100 ft)        Dor      2.8 mm      41 m (134.5 ft)        3.6 mm      50 m (164.0 ft)      20 m (65.6 ft)      10 m (32.8 ft)        Jens      2.8 mm      41 m (132.576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 248        Video Compression      H.265, H.265+, H.264+, MJPEG      10 m (32.8 ft)      5 m (16.4 ft)        Operation      Video Streaming      Three streams      1920 x 1080 (Default), 704 x 576, 640 x 240, 352 x 240, 352 x 240, 352 x 248        Video Resolution      Sub Stream      704 x 480, 704 x 576, 640 x 480, 720, 355 x 240, 352 x 248 <td>WDR Pro</td> <td></td> <td>Yes</td> <td></td> <td></td> <td></td>	WDR Pro		Yes					
Megapixel  2 MP    Day / Night  Yes (with removable IR-cut filter)    Lens Type  Fixed    Focal Length  2.8 mm    Maximum Aperture  F/1.6    Mount  M12    Horizontal FOV  107°    Server  Server    Operation  Fixed    Zoom  Fixed    Quantity  1 IR LED    Max. IR  30 m (100 ft)    Distance  30 m (100 ft)    Dor  30 m (100 ft)    Dor  Beccy Recognize    Illumination  Jistance    Dor (100 ft)  30 m (100 ft)    DORI  Detect  Observe    Percons  2.8 mm  41 m (134.5 ft)    Uens  2.8 mm  41 m (134.5 ft)    3.6 m  50 m (164.0 ft)  20 m (65.6 ft)    Operation  H.265, H.265+, H.264, H.264+, MIPEG    Video Compression  H.265, H.265+, H.264, H.264+, MIPEG    Video Resolution  Main Stream  1920 x 1080 (Default), 1280 x 720    Sub Stream  704 x 480 (0efault), 704 x 576, 640 x 480, 640 x 480 / 352 x 240, 60 Hz)    25 fps at 1920 x 1080 / 1280 x 720  X240 (50 Hz)    Sub Stream  704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 60 Hz)    25 fps at 1920 x 1080 / 1280 x 7	Dynamic Range		120 dB					
Day / Night      Yes (with removable IR-cut filter)        Lens Type      Fixed        Focal Length      2.8 mm      3.6 mm        Maximum Aperture      F/1.6      Mount        Mount      M12      M12        Horizontal FOV      107°      89°        Operation      Focus      Fixed        Quantity      11R LED      Max. IR        Quantity      11R LED      Max. IR        Distance      30 m (100 ft)      Jostance        Born (100 ft)      Jostance      30 m (100 ft)        Doration      2.8 mm      41 m (134.5 ft)      6 m (52.4 ft)      8 m (26.2 ft)      4 m (13.1 ft)        Jostance      Jos m (164.0 ft)      20 m (65.6 ft)      10 m (32.8 ft)      5 m (16.4 ft)        Operation      H.265, H.265+, H.264+, MJPEG      Three streams      Three streams      1920 x 1080 (Default), 1280 x 720      Video Compression      H.265, H.265+, H.264+, MJPEG      Video Compression      Tota x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 240      25 ps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240, 352 x 240      25 ft ps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240      352 x 240 (60 Hz)      25	Lens		GV-GBLF2802-2F		GV-GBLF2802-3F			
Lens Type      Fixed        Focal Length      2.8 mm      3.6 mm        Maximum Aperture      F/1.6	Megapixel		2 MP					
Focal Length      2.8 mm      3.6 mm        Maximum Aperture      F/1.6      Mount      M12        Horizontal FOV      107°      89°        Operation      Focus      Fixed        Operation      Zoom      Fixed        Units      Fixed      Focus        Max. IR      Jistance      30 m (100 ft)        Dor      Max. IR      30 m (100 ft)        Smart      LED Quantity      1 Warm LED        Max. LED      Jon m (100 ft)      Jon m (100 ft)        DORI      Detect      Observe      Recognize      Identify        Lens      2.8 mm      41 m (134.5 ft)      16 m (52.4 ft)      8 m (26.2 ft)      4 m (13.1 ft)        J.6 mm      50 m (164.0 ft)      20 m (65.6 ft)      10 m (32.8 ft)      5 m (16.4 ft)        Operation      H.265, H.265+, H.264, H.264+, MJPEG      Video Compression      H.265, H.265+, H.264, H.264+, MJPEG      Video Streaming        Video Streaming      Three streams      Main Stream      1920 x 1080 (Default), 1280 x 720      Siz x 240, 352 x 240, 352 x 240        Video Resolution      Sub Stream      704 x 480 (Default), 704 x 576, 480	Day / Night		Yes (with removab	le IR-cut filter)				
Maximum Aperture      F/1.6        Mount      M12        Horizontal FOV      107°        Porzontal FOV      107°        Approximation of the second of	Lens Type		Fixed					
Mount      M12        Horizontal FOV      107°      89°        Operation      Focus      Fixed        Zoom      Fixed	Focal Length		2.8 mm		3.6 mm			
Horizontal FOV107°89°OperationFixedZoomFixedIrisFixedQuantity1 IR LEDMax. IR Distance30 m (100 ft)Smart IlluminationLED Quantity1 Warm LEDDORIDetectObserveRecognizeIdentifyDORIDetectObserveRecognizeIdentifyOperation2.8 mm41 m (134.5 ft)16 m (52.4 ft)8 m (26.2 ft)4 m (13.1 ft)OperationVideo CompressionH.265, H.265+, H.264, H.264+, MJPEGVideo StreamingMain Stream1920 x 1080 (Default), 1280 x 720Video ResolutionSub Stream704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288Frame RateSo of fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)Frame RateAl off64 Mbps	Maximum Aperture		F/1.6					
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Smart Illumination      Max. LED Distance      30 m (100 ft)        DORI      Detect      Observe      Recognize      Identify        Lens      2.8 mm      41 m (134.5 ft)      16 m (52.4 ft)      8 m (26.2 ft)      4 m (13.1 ft)        3.6 mm      50 m (164.0 ft)      20 m (65.6 ft)      10 m (32.8 ft)      5 m (16.4 ft)        Operation      Video Compression      H.265, H.265+, H.264, H.264+, MJPEG      T        Video Streaming      Main Stream      1920 x 1080 (Default), 1280 x 720      Sub Stream      704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288        Video Resolution      Sub Stream      704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 240 (60 Hz)      Sign at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)        Frame Rate      So fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 248 (50 Hz)      * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).      Maximum      Al off      64 Mbps	IR LED		30 m (100 ft)					
Illumination      Max. LED Distance      30 m (100 ft)        DORI      Detect      Observe      Recognize      Identify        Lens      2.8 mm      41 m (134.5 ft)      16 m (52.4 ft)      8 m (26.2 ft)      4 m (13.1 ft)        3.6 mm      50 m (164.0 ft)      20 m (65.6 ft)      10 m (32.8 ft)      5 m (16.4 ft)        Operation      H.265, H.265+, H.264, H.264+, MJPEG      Three streams      Image: Stream ing      Main Stream      1920 x 1080 (Default), 1280 x 720      Stream      920 x 1080 (Default), 1280 x 720      Image: Stream ing      Image: Stream ing      Stream      704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288      Image: Stream ing      Stream ing <td>Smart</td> <td>LED Quantity</td> <td>1 Warm LED</td> <td></td> <td></td> <td></td>	Smart	LED Quantity	1 Warm LED					
Lens      2.8 mm      41 m (134.5 ft)      16 m (52.4 ft)      8 m (26.2 ft)      4 m (13.1 ft)        3.6 mm      50 m (164.0 ft)      20 m (65.6 ft)      10 m (32.8 ft)      5 m (16.4 ft)        Operation      Video Compression      H.265, H.265+, H.264+, H.264+, MJPEG        Video Streaming      Three streams        Video Resolution      Sub Stream      1920 x 1080 (Default), 1280 x 720        Sub Stream      704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288        Third Stream      704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 240 (60 Hz)        25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 248 (50 Hz)      * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).        Maximum      AI off      64 Mbps			30 m (100 ft)					
Lens      3.6 mm      50 m (164.0 ft)      20 m (65.6 ft)      10 m (32.8 ft)      5 m (16.4 ft)        Operation      Video Compression      H.265, H.265+, H.264, H.264+, MJPEG        Video Streaming      Three streams        Video Resolution      Main Stream      1920 x 1080 (Default), 1280 x 720        Video Resolution      Sub Stream      704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288        Third Stream      704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 240 (60 Hz)      25 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)        Frame Rate      Al off      64 Mbps      Al off      64 Mbps	DORI		Detect	Observe	Recognize	Identify		
3.6 mm      50 m (164.0 ft)      20 m (65.6 ft)      10 m (32.8 ft)      5 m (16.4 ft)        Operation      Video Compression      H.265, H.265+, H.264, H.264+, MJPEG        Video Streaming      Main Stream      1920 x 1080 (Default), 1280 x 720        Video Resolution      Sub Stream      704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288        Third Stream      704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288        Frame Rate      30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)        Year and performance may vary depending on the number of connections and data bitrates (different scenes).      Maximum        Al off      64 Mbps	Long	2.8 mm	41 m (134.5 ft)	16 m (52.4 ft)	8 m (26.2 ft)	4 m (13.1 ft)		
Video CompressionH.265, H.265+, H.264, H.264+, MJPEGVideo StreamingThree streamsVideo ResolutionMain Stream1920 x 1080 (Default), 1280 x 720Sub Stream704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288Third Stream704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288Frame Rate30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)Evaluation25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 288 (50 Hz)MaximumAI off64 Mbps	Lens	3.6 mm	50 m (164.0 ft)	20 m (65.6 ft)	10 m (32.8 ft)	5 m (16.4 ft)		
Video StreamingThree streamsVideo ResolutionMain Stream1920 x 1080 (Default), 1280 x 720Sub Stream704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288Third Stream704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288Third Stream30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 288 (50 Hz)* The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).MaximumAl off64 Mbps	Operation							
Main Stream      1920 x 1080 (Default), 1280 x 720        Sub Stream      704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288        Third Stream      704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288        Base Frame Rate      30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)        Yes the frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).        Maximum      Al off	Video Compression	Video Compression		H.265, H.265+, H.264, H.264+, MJPEG				
Video Resolution      Sub Stream      704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288        Third Stream      704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288        Stream      704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288        Frame Rate      30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)        25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 288 (50 Hz)        * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).        Maximum      Al off	Video Streaming	Video Streaming		Three streams				
Third Stream      704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288        30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)        25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 288 (50 Hz)        * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).        Maximum      Al off      64 Mbps	Video Resolution	Main Stream	1920 x 1080 (Default), 1280 x 720					
Frame Rate      30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)        25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 288 (50 Hz)        * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).        Maximum      AI off		Sub Stream	704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288					
Frame Rate    25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 288 (50 Hz)      * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).      Maximum    AI off      64 Mbps		Third Stream	704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288					
Frame Rate    * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).      Maximum    AI off    64 Mbps			30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)					
* The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).      Maximum    AI off    64 Mbps	Frame Rate		25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 288 (50 Hz)					
					vary depending on the r	number of connections		
Throughput AI on 12 Mbps	Maximum	AI off	64 Mbps					
	Throughput	Al on	12 Mbps					

Maximum Stream * When the total bit maximum throughpu		6		
Video Analytics		Motion Detection, Object Abandoned / Missing Detection, Video Exception		
Smart Alarm		Motion Detection, SD Card Error, SD Card Full, IP Address Conflict, Cable Disconnection Scene Change Detection, Video Blur Detection, Video Cast Detection		
Image Setting		Brightness, Contrast, Hue, Saturation, Sharpness, 3D Noise Reduction, BLC, Antiflicker, White Balance, Shutter, Gain, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270° – including Corridor format)		
Audio Compression		G.711		
Audio Support		One-way audio		
Deep Learning Functi	on			
AI Analytics		Line Crossing, Region Intrusion *The two functions can only be enabled one at a time.		
Network				
Interface		10/100 Ethernet		
Protocol		802.1x, DDNS, DHCP, FTP, HTTP POST, HTTP, HTTPS, IPv4, IPv6, NTP, ONVIF (Profile G, S, T, M), PPPoE, QoS, RTCP, RTMP, RTP, RTSP, SMTP, SNMP, UDP, UPnP		
Mechanical				
Camera Angle	Pan	0 ~ 360°		
Adjustment	Tilt	0 ~ 80°		
rajustinent	Rotate	0 ~ 360°		
	Power	DC jack, PoE		
	Ethernet	RJ-45		
		Built-in microphone Yes		
		External microphone required Yes (Audio jack, 3.5 mm)		
_		Built-in speaker No		
Connectors	Audio	External speaker required No		
		* For devices with a microphone or speaker, choose either the built-in or external option.		
		* If equipped with an Audio In port, it only supports microphones with power supply.		
	Local Storage	Micro SD card slot (SDHC / SDXC / UHS-I, Class 10) * UHS-II card type is not supported.		
General				
Operating Temperat	ure	-30°C ~ 60°C (-22°F ~ 140°F)		
Humidity		0 ~ 95% (no condensation)		
Power Source		12V DC, 1.5A / PoE (IEEE 802.3af)		
Max. Power Consum	ption	6 W		
Dimensions		165.7 × 69 × 69 mm (6.5 × 2.7 × 2.7 in)		
Weight		0.45 kg (0.992 lb)		
Ingress Protection		IP67		
Vandal Resistance		IK10 for metal casing		
Certification		CE, FCC, RoHS, UKCA compliant		
Web Interface				
Installation Manager	ment	Web-based configuration		
Maintenance		Firmware upgrade through Web Browser or Utility		
Access from Web Browser		Live View, Playback, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Digital Zoom, Text Overlay, Image Masking, Intelligent Mark		
Language		Hungarian, English, Spanish, Spanish (LA), Italian, Portuguese, Russian, Polish, Romanian, Hebrew, German, French, Dutch, Norwegian, Czech, Turkish, Japanese, Korean, Traditional Chinese		
Software Application	s			
Software Supported		GV-VMS (V17.4.8 with Patch or later, V18.3.4 with Patch or later), GV-Edge Recording Manager (V2.2.8 or later), GV-Control Center (V4.2.1 or later), GV-Recording Server (V2.1.1 with Patch or later)		
Smart Device Access		GV-Eye for iOS and Android (V3.2.0 or later)		
Live Viewing		Web Browser (Edge 120.0.2210.121, Chrome 120.0.6099.200, Firefox 121.0, Safari 11), Mobile App		

#### Note:

- 1. Industrial-grade microSD cards are recommended to avoid event recording writing failure.
- 2. All specifications are subject to change without notice.

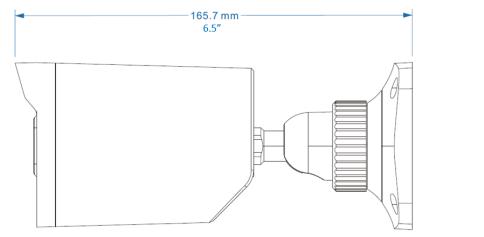
### **Packing List**

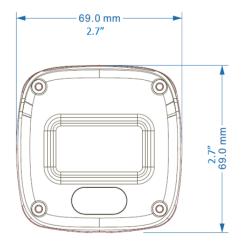
- 1. GV-GBLF2802
- 2. Waterproof Rubber Set
- Drill Template Paster
  Download Guide

3. Screw Kit

Model No.	Name	Details
GV-Mount211-9 (must be used with Mount507-1)	Wall Mount Bracket	Dimensions: Ø 121 x 148 mm (Ø 4.76 x 5.83 in) Weight: 0.35 kg (0.77 lb)
GV-Mount470 (must be used with Mount211-9, 506-1, or 507-1)	Pole Mount Bracket	Dimensions: 163.3 x 54.5 x 215 mm (6.43 x 2.15 x 8.46 in) Weight: 1.10 kg (2.43 lb)
GV-Mount506-1	Junction Box	Dimensions: 117.9 x 143.3 x 47 mm (4.64 x 5.64 x 1.85 in) Weight: 0.38 kg (0.84 lb)
GV-Mount507	Junction Box	Dimensions: Ø 96 x 38.8 mm (Ø 3.78 x 1.53 in) Weight: 0.16 kg (0.30 lb)
GV-Mount507-1	Junction Box	Dimensions: Ø 111.7 x 55 mm (Ø 4.40 x 2.17 in) Weight: 0.33 kg (0.73 lb)
GV-PA191	PoE Adapter	GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
GV-PA301	Gigabit PoE Adapter	GV-PA301 is a Gigabit Power over Ethernet (PoE) adapter.
GV-POE Switch		GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with differen numbers and types of ports.
Power Adapter		Contact our sales representatives for the countries and areas supported.

### Dimensions





### **Mounting Type**

Junction Box Mount	Junction Box Mount	Junction Box Mount	Wall Bracket Mount
GV-Mount506-1	GV-Mount507	GV-Mount507-1	GV-Mount211-9
GV-Mount506-1	GV-Mount507	GV-Mount507-1-	GV-Mount211-9

