4MP Starlight LPR Bullet Camera
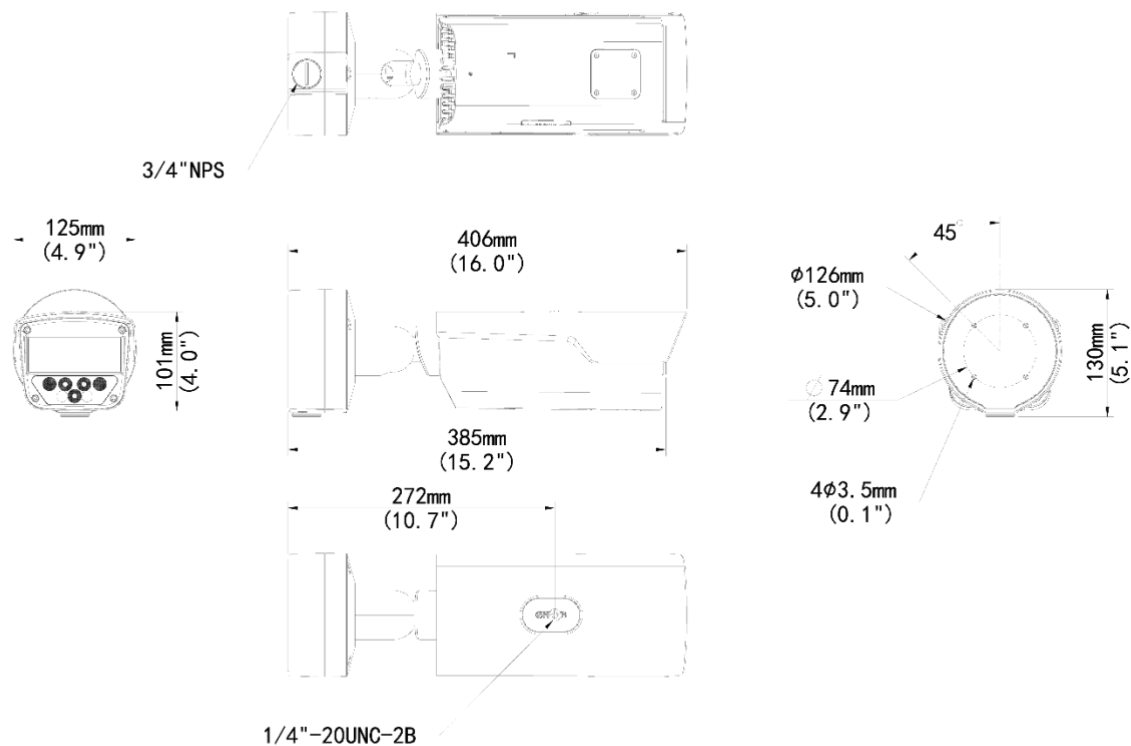
GV-B4MP-IP-10-50-LED50LCWP

Features

- 1/1.8" progressive scan CMOS

- Up to 2688 × 1520 resolution with real-time video

- Supports Wise-ISP for enhanced image quality

- Video frame rate upgraded to 60 fps

- Built-in vehicle and license plate recognition algorithms can recognize standard license plates of multiple countries

- Supports plate allowlist and blocklist configuration

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- Supports Micro SD cards of up to 512GB

- IP67 and IK10 protection.

Specifications

Camera	
Sensor	1/1.8-inch 4MP CMOS
Focal Length	10 to 50mm
Shutter	Auto Range: 1/500 to 1/100000s
Minimum illumination	0.002lux (F1.7)
FOV	Horizontal FOV: 34.3° to 8.7° Vertical FOV: 19.9° to 4.8° Diagonal FOV: 40.5° to 9.8°
WDR	120 dB
S/N	> 50 dB
Image	
Image Collection Format	2688*1520@60,2688*1520@50,2688*1520@30 (default),2688*1520@25
Frame rate	60, 50, 30 (default), 25, 22, 20, 18, 16, 15, 12.5, 10, 8, 6, 5, 4, 3, 2, 1
Video Compression	H.264 (default), H.265
ROI	Supports up to 8 regions
HLC	Support
BLC	Support
Defog	Digital defog
Digital Noise Reduction	3D DNR
Video OSD	Supports 8 overlay areas and allows contents including date, time, date & time, zoom ratio, custom contents
Image OSD	Supports 8 overlay areas and allows contents including time, license plate number, device ID, camera ID, allowlist, image authentication ID, custom contents (3 items), location
Smart	
Application Scenario	≤ 80km/h for regular roads Camera with a focal length of 10 to 50mm can be used for regular roads
Vehicle Detection Mode	Supports video detection
License Plate Number Recognition	Supports recognition of license plates with numbers and letters by default
List Configuration	Supports allowlist and blocklist configuration, each list allows 20,000 items Supports import, export, add, and delete operations
Barrier Opening Policy	Open barrier only for the recognized vehicles Open barrier for all vehicles Open barrier only for vehicles on the allowlist Open barrier for vehicles not on the blocklist Configurable Boolean output ID
Storage	
Edge Storage	Supports ANR with a Micro SD card, up to 512GB

Structure	
Illumination	Built-in integrated illumination module, including 5 IR LEDs, 50m illumination distance, automatic on/off control
Bracket	3-axis mounting bracket
Junction Box	The camera comes with a junction box for storing tail cable
Network	
Protocols	IGMP, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, DNS, DDNS, NTP, UPnP, HTTP, HTTPS, 802.1x, SNMP,QoS, SSL/TLS, SSH, IPv4
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), SDK API
Interface	
Network Interface	1×10M/100M RJ45
Serial Port	2 × RS485
Boolean Output	2 relay outputs, withstand voltage: AC 125V/0.3A, DC 30V/1A
Boolean Input	2 x input, supports level (up to DC 5V) and switch signal
Audio Interface	1 × audio input, 1 × audio output
Storage Interface	1 × Micro SD card slot
Reset button	Support
General	
Weight	4.45lbs
Ingress Protection	
Power Supply	DC12V + 25% - 25% Max. Power Consumption: 20W Supports PoE (802.3at, class 4)
Dimensions (L×W×H)	406mm x 126mm x 130mm
Operating Environment	-40℃ to 60℃, ≤90% RH
Heater	N/A
Compliance	
NDAA Compliant	Support
Certification	
EMC	CE-EMC (EN 55032:2015+A11:2020+A1:2020EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC 61000-3-2:2019+A1:2021, EN 50130-4:2011+A1:2014) FCC (FCC CFR 47 part15 B, ANSI C63.4 2014)
Safety	EN IEC 62368-1:2020+A11:2020 UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)
Protection	IP67(IEC60529:1989+AMD1:1999+AMD2:2013) IK10(IEC 62262:2002+AMD1:2021)

Dimensions

3/4"NPS

125mm
(4.9")

101mm
(4.0")

406mm
(16.0")

385mm
(15.2")

272mm
(10.7")

1/4"-20UNC-2B

45

Ø126mm
(5.0")

74mm
(2.9")

4Ø3.5mm
(0.1")

130mm
(5.1")

Accessories

GV-PS6C-V2