

ST-GIP2VFB-LPR

2MP License Plate Recognition IP Camera, 4.7-47mm Zoom Lens



Key Features

Optics

- Sensor with IR illuminator ensures clear night images while reducing light pollution
- 4 LED IR lights provide up to 50m night vision
- 2MP sensor delivers 1920 x 1080 resolution
- Motorized zoom lens for flexible focal adjustment and easy setup
- Auto gain control, white balance, and WDR for diverse lighting

Compression

- Up to 1080P@60fps for live and recorded video
- 1 image stream, 3 video streams
- Advanced H.265 compression for improved efficiency
- Custom OSD for overlaying vehicle info on video

Functions

- Built-in vehicle and license plate recognition (multi-country support)
- Captures vehicle head only; allow/block list support
- Integrates with barriers for access control
- Supports MicroSD up to 128GB and ANR (auto video backup on network loss)
- Audio recording and intercom enabled

Network

- Adaptive streaming for unstable networks
- Supports SNMP, UNP (NAT traversal), SDK/HTTP integration

Security

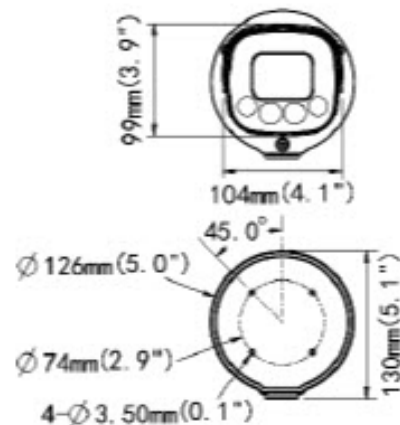
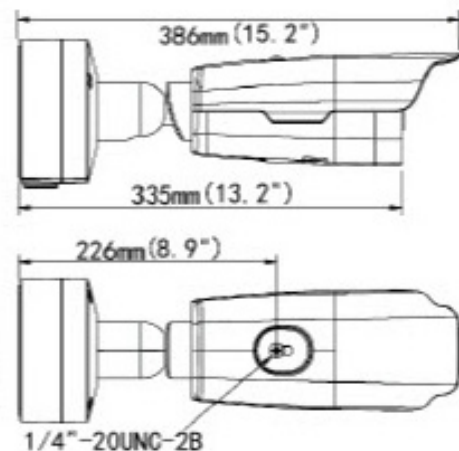
- Password protection, weak password detection, account lock
- HTTPS, RTSP authentication, IP filtering, ARP protection

Structure

- Supports DC 12V and PoE (802.3at)
- Rugged cast aluminum housing with 3-axis mount
- IP67 and IK10 rated with junction box for clean cabling



Dimensions



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Camera	
Sensor	1/2.8" 2MP CMOS
Focal length	4.7 to 47mm, motorized zoom
Shutter	Auto/Manual, range: 1/25 to 1/100000 s
Minimum Illumination	0.001lux (F1.6)

Image	
Image Collection Format	1080P@25 (default), 1080P@30, 1080P@50, 1080P@60
Resolution	IMain stream: 1080P (default), 720P, D1 Sub stream: 720P (default), D1, 2CIF, CIF Third stream: D1 (default), 2CIF, CIF
Frame Rate	60, 50, 30, 25 (default), 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
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	VSupports recognition of license plates with numbers and letters by default
Vehicle Detection Mode	Video (default) or inductive loop
Capture vehicle head only	Video (default) or inductive loop
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 128GB
Network Storage	ANR, NAS(NFS)

Structure	
Illumination	Built-in integrated illumination module, including 4 IR LEDs, 50m illumination distance, automatic on/off control
Sunshield	Long Sunshield
Bracket	3-axis mounting bracket
Junction Box	The camera comes with a junction box for storing tail cable

Interface	
Network Interface	1 × 10M/100M RJ45
Serial Port	1 × RS485
Boolean Output	1 relay output, withstand voltage: AC 125V/0.3A, DC 30V/1A
Boolean Input	2 inputs, supports level/Boolean, with max level up to DC 5V
Audio Interface	1 × audio input, 1 × audio output
Storage Interface	1 × Micro SD card slot

Compatibility	
NVRs with LPR Support	ST-GNVR32-16P, ST-GNVR16-16P-PRO, ST-GNVR8-P8-PRO

General	
Power Supply	DC12V + 25% - 10%
	Max. power consumption: 20W
	Supports PoE (802.3at, class 4)
Dimensions (L × W × H)	15.19 x 4.96 x 5.11" (386 x 126 x 130 mm)
Net Weight	4.4 lb (2 kg)
Operating Environment	-40 - 140°F (-40 - 60°C), Humidity: ≤90% RH
Ingress Protection	IP67, IK10
Warranty	2-Year Limited Warranty