



- Smaller size design, easy to install.
- Red-free exposure design, strong anti-interference;
- Super-strong fog penetration mode to enhance the image details and clarity during hazy days.



HD IR Laser Window-Penetration Camera

Model: **GSM3212M**

Model	GSM3212M
Distance	
Day: identification of human face @ 100m;	
Night: identification of human face @ 50m	
Car Window-Penetration: 2 - 5m	
Laser	
Laser Light Source	<ol style="list-style-type: none"> 1. Consumption: 5W; 2. Laser angle: 2°~40°, 0.1° accuracy control. 3. Laser switch: remote control, external trigger.
Visible Camera	
Camera	<ol style="list-style-type: none"> 1. Surface: 1/2.8" Star Level CMOS, Integrated ICR Dual Filter D/N Switch; 2. Resolution: 2 million pixels. 3. Illumination: 0.05Lux.
Lens	<ol style="list-style-type: none"> 1. Focal Length: 4.3 - 129mm, photoelectrical focus; 2. Focusing: manual/automatic focusing, 3A adaptive active focusing algorithm, high precision and speed; 3. Night-day wide spectrum: 0.4-0.75um visible broad spectrum window and 0.8-0.95um NIR narrow spectrum window with day-night independent double-pass window to improve the signal-to-noise ratio of imaging light and stray light.
Housing	
1. Material: Precision cast aluminium alloy casing, stainless steel fixtures, strong wind resistance	
2. Structure: Integrated Double Windows Design	
3. Window glass: 4mm microcrystalline infrared high-efficiency transparent HLIN optical glass, transmittance > 98%.	
4. Surface spraying: PTA anti-corrosion coating, seawater corrosion resistance	

5. Temperature control: The whole system adopts with heat balance design + wide temperature electronic and optoelectronic devices, with built-in heater and heat dissipation components, which can work in low and high temperature environments.

6. 6. Interface: Aviation Waterproof Plug

7. Protection Level: IP66

Enhancements

1. Fog penetration: Enhance the details and clarity of images during hazy days;
2. Glass penetration: all-day penetrate through tinted window, to identify the concealed personnel in the car clearly.

Interface

1. Network Interface: 1 RJ45, 10/100 Base-T Adaptive (Integrated Video Output and RS485 Control);
2. Network protocols: support TCP/IP, UDP, IPv4/v6; support HTTP, RTP, RTSP, NFS, DHCP, NTP, SMTP, SNMPv1/v2c/v3, UPNP, PPPoE, DNS, FTP; support PSIA, ONVIF2.0, GB28181 and other network protocols;
3. Power supply: AC/DC24V, anti-reverse protection;
4. Physical Interface: Alloy Waterproof Aviation Plug

Other Specification

1. Total consumption: Ma. 25W;
2. Total weight: 5.6kg;
3. Dimension: 420mm x 450mm x 120mm

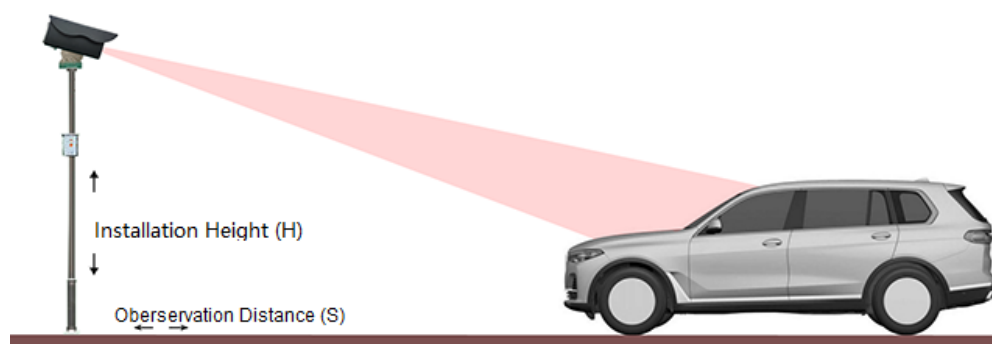
Environmental Features

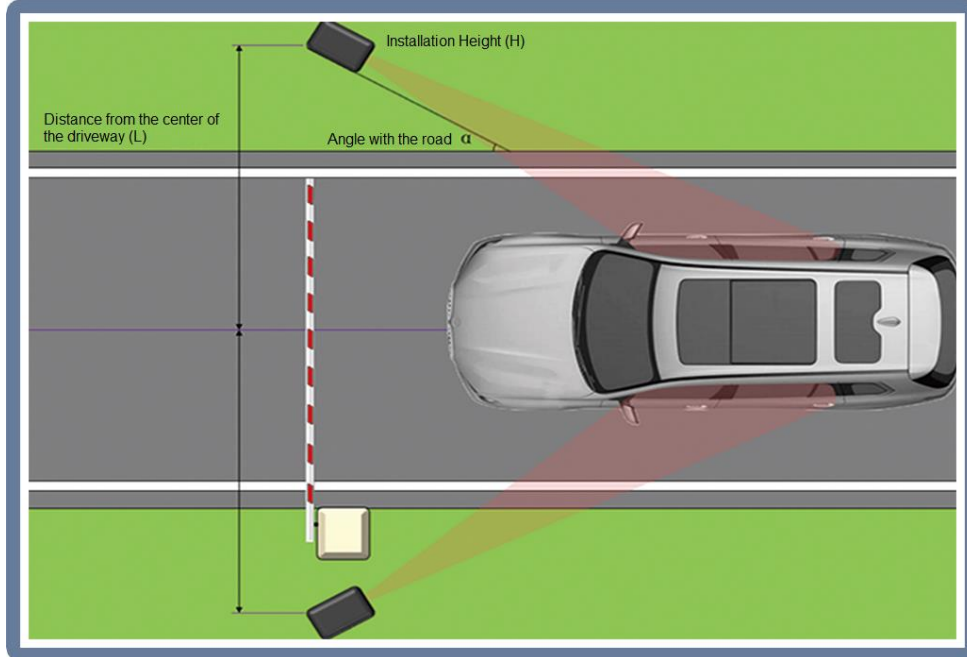
1. Working Temperature: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$;
2. Storage temperature: $-40^{\circ}\text{C} \sim 65^{\circ}\text{C}$;
3. Humidity: $<90\% \text{ RH}$;
4. Seismic resistance: 0.2g (in accordance with GB/T15211-2013 5.4 strict grade 2);
5. Impact resistance: 15g (in accordance with GB/T15211-2013 5.3 harsh grade 3);
6. Protection Level: IP66

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Installation Guide:





Application Effects:

