

JPC-256-JPC256

Waterproof AI Thermal Camera

256 x 192 | 18° | 256 x 192 | IP67

Long-range night vision **Built-in GPS**

Shenzhen Jifuan Intelligent Technology Co., Ltd.
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OEM & ODM welcome - custom logo, packaging, connectors, cable length and firmware available on request.

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OVERVIEW

Key Features & Specifications

KEY FEATURES

- Universal DIY modification solution: thermal imaging camera + independent controller (ECU), the algorithm is in the controller
- Video output CVBS and USB synchronous output: CVBS directly into the car display, USB (UVC) into the Android large screen/mobile phone/tablet/computer
- When the large Android screen in the car supports the installation of third-party APPs, you can view thermal imaging on the Android screen
- When the factory harness screen cannot install the APP, a special car-specific decoder can be equipped to connect to the factory harness screen
- **Long-range night vision:** can detect road conditions 300~500m ahead in total darkness
- Three-level picture + sound warning (except motor vehicles), built-in warning horn, can identify pedestrians "rapidly approaching" and "suddenly

TECHNICAL SPECIFICATION

Resolution	256 x 192
Viewing Angle	18°
Power Supply	voltage: DC12V
Waterproof Rating	IP67
Detector Resolution	256 x 192 (640 x 512 versions available)
Output	AHD / CVBS / USB, PAL & NTSC
Functions	Vehicle and pedestrian detection on AI models
Ordering	Full parameter sheet available on request

ORDERING REFERENCE / AVAILABLE VARIANTS

256*192 resolution car AHD/CVBS camera Sensor: 256*192, 12um Lens: 9.1mm FOV 18°*13° video out:AHD voltage: DC12V automatic defrost: support waterproof: IP67 temperature: -30°C-70°C size: <=32*32*49

SELLING POINTS & NOTES

Selling Points, Ordering & Usage Notes

PRODUCT SELLING POINTS

- **Built-in GPS:** supports filtering alarms by vehicle speed (default is no alarm below 30km/h; set to 0 for "sentinel mode"
- Supports setting warning parameters with infrared remote control: warning speed, warning distance, warning time period (night/all day), volume

ORDERING NOTES

- **Video system:** confirm AHD 720P / 1080P or CVBS, and PAL / NTSC before ordering.
- **Image mode:** confirm mirror or non-mirror image, and whether parking guide lines are required.
- **Connector:** confirm 4-pin aviation or RCA, plus cable length (standard 0.3-0.5 m pigtail; 1 m / 5 m / 10 m available) and pinout for your harness.
- Lens angle and mounting position: confirm the required angle and where the camera is fitted (side / rear / front / cabin).
- **Voltage:** confirm your vehicle system - 12V and 24V versions are both available.
- Quantity, packing (colour box / neutral box) and printing or logo requirements.
- **Mounting bracket:** confirm the bracket type and screw thread your vehicle needs.
- Default specification has no parking guide lines. Other angles, NTSC or mirror versions must be confirmed in advance.

USAGE & PRECAUTIONS

- Check the supply voltage and polarity before connecting power; wrong wiring can damage the camera.
- Keep the waterproof connector tight and seal the joint; do not cut or extend the pigtail.
- Route the cable away from heat sources, sharp edges and moving parts, and secure it with clips.
- Clean the lens and the IR window with a soft cloth only; avoid high-pressure washing directly at the lens or connector.
- Do not open the sealed housing - doing so voids the waterproof rating and the warranty.
- A dirty lens or IR window reduces night image quality, so check them during regular maintenance.

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IN DETAIL

Product Views & Applications







TYPICAL APPLICATIONS

Night Driving | Pedestrian & Animal Detection | Fire & Rescue | Border & Patrol | Oil & Gas Facilities

CUSTOMISATION AVAILABLE

- **Resolution:** 256 x 192 or 640 x 512; with or without AI algorithm.
- **Lens:** 3.2 / 4 / 6 / 9.1 mm to match detection distance.
- **Output:** AHD, CVBS, USB or all-in-one monitor version.
- **Mounting:** vehicle roof, front or mirror-replacement versions.
- **Branding:** neutral or customer-branded packaging.