JPC-256-AI-A

5 Inch AI Thermal Camera

256 x 192 | 45° | 256 x 192 | Vehicle and pedestrian detection on AI models

Three-in-one AI recognition **Long-range night vision** **Three-level custom warning area** **Seven false colors**

Shenzhen Jifuan Intelligent Technology Co., Ltd.
Building 9, West District, Zhangge Community, Fucheng Street, Longhua District, Shenzhen, China
OEM & ODM welcome - custom logo, packaging, connectors, cable length and firmware available on request.

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OVERVIEW

Key Features & Specifications

KEY FEATURES

- Three-in-one AI recognition: simultaneous detection of pedestrians, vehicles, and animals (animals can be recognized up to 60m
- **Long-range night vision:** can detect road conditions 300~500m ahead in total darkness, which is several times the lighting distance of car lights
- 5-inch 1024x600 IPS high-definition touch screen, integrated algorithm module and display module, easy installation
- Three-level custom warning area: You can drag the circle on the screen to set the warning range.
- Pedestrian/vehicle/animal warnings can each be set to four gears: near/medium/far/off. Different gears have different degrees of urgency
- The recognition sensitivity is adjustable: the larger the value, the farther the recognition distance is (but the risk of false alarms increases)

TECHNICAL SPECIFICATION

Resolution	256 x 192
Viewing Angle	45°
Detector Resolution	256 x 192 (640 x 512 versions available)
Output	AHD / CVBS / USB, PAL & NTSC
Functions	Vehicle and pedestrian detection on AI models
Power Supply	DC 12V
Ordering	Full parameter sheet available on request

ORDERING REFERENCE / AVAILABLE VARIANTS

256*192,detect animal and people Lens: 4mm FOV 45°*33° OR Lens: 9.1mm FOV 18°*13°

SELLING POINTS & NOTES

Selling Points, Ordering & Usage Notes

PRODUCT SELLING POINTS

- **Seven false colors:** white hot (default), black hot, iron red, warm hot, rainbow, lava, red hot
- **Ten languages:** Simplified Chinese, Traditional Chinese, English, French, Russian, Korean, Arabic, Spanish, German, Japanese, Portuguese
- Supports U disk recording and can play back the video on the host
- 3V early warning signal level output (synchronized with speaker warning), can be connected to an external sound and light alarm (it is recommended

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.