



JPC-256AI-AHD

AI Thermal Camera

256 x 192 | 18° | 256 x 192 | Vehicle and pedestrian detection on AI models

Far-infrared imaging

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.*

+86 188 7400 7838 (WhatsApp / WeChat)

info@jfacam.com

www.jfacam.com | www.antuvision.com

OVERVIEW

Key Features & Specifications

KEY FEATURES

- Thermal imaging + AI recognition integrated, video output in AHD digital high definition (720P / 1080P optional)
- Directly connect to the existing AHD display or AHD interface MDVR in the car, no additional CVBS screen is required
- AHD digital output is cleaner than CVBS and the picture is more delicate, suitable for customers who have high requirements for picture quality
- AI recognizes pedestrians and vehicles, and the alarm screen and recognition frame are superimposed on the AHD video and output
- Lens 10mm / F1.0, FOV 18°x13°, taking into account both detection distance and image range
- Optional 1.5mm super wide-angle (FOV 120°x86°) version, suitable for mining trucks, forklifts, low-speed special-purpose vehicles

TECHNICAL SPECIFICATION

Resolution	256 x 192
Video Output	AHD video out
Viewing Angle	18°
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,AHD video out ,720/1080 optional Lens: 10mm FOV 18°*13°

Selling Points, Ordering & Usage Notes

PRODUCT SELLING POINTS

- **Far-infrared imaging:** black barrier, anti-glare, fog/fog/smoke/haze penetration

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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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.