



JPC-171

Night Vision Side Camera for Truck

1920*1080 | up to 1080p | 110° horizontal | 1/2.9 CMOS

The structure is waterproof

Dot matrix LED light

Pure metal lens barrel

Pendulum-type IR-CUT

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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www.jfacam.com | www.antuvision.com

Key Features & Specifications

KEY FEATURES

- AkzoNobel powder spraying surface treatment, aviation-grade technology: spraying is durable, corrosion-resistant, and salt spray-resistant.
- The structure is waterproof: it is not filled with glue, but a precision sealed structure + glass structure is waterproof
- Lens and LED compartment (dual cavity) design: the lens and light panel are physically separated, IR LED will not be refracted to the glass at night
- 110° horizontal viewing angle with a 2.8 mm lens - one camera covers the side blind spot
- **Dot matrix LED light:** uniform light emission, transparent night vision picture, no "flashlight effect" of ordinary lamp beads (bright in the middle
- **Pure metal lens barrel:** not a plastic lens barrel, optically stable and non-focusing under extreme vibration and temperature changes

TECHNICAL SPECIFICATION

Resolution	up to 1080p
Image Sensor	1/2.9 color CMOS
DSP Chipset	2053
Pixel / Resolution	1920*1080
IR Distance	10M
IR-Cut Filter	Auto switching (day / night)
Lens	2.8 mm
Viewing Angle	110° horizontal (2.8 mm lens)
Tilt Adjustment	0-60° bracket pitch
Video Output	AHD
Operating Temperature	-25°C to +70°C, humidity 0-90%
Waterproof Rating	IP69K

Selling Points, Ordering & Usage Notes

PRODUCT SELLING POINTS

- **Pendulum-type IR-CUT:** accurate color reproduction during the day, high contrast at night, and easy switching between day and night
- 1080P AHD coaxial high-definition output, 1920(H)x1080(V)
- Sony IMX323 sensor + 2053 + 8536H solution, good low-light performance and stable picture
- SMD dot matrix IR LED, night vision distance 10-15 m

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

Passenger Cars

Taxis & Ride-Hailing

Vans & Light Commercial

Parking Assistance

CUSTOMISATION AVAILABLE

- **Video system:** AHD 720P / 1080P or CVBS, PAL & NTSC - confirmed per order.
- **Connector:** 4-pin aviation / RCA / waterproof plug, with matching cable.
- **Cable length and pinout:** standard pigtail; 1 m / 5 m / 10 m or custom.
- **Image mode:** mirror or non-mirror image, with or without parking lines.
- **Branding:** neutral or customer-branded packaging.

Options, Packing & Why Jifuan

PACKING & DELIVERY

- **MOQ:** flexible, from 50-100 pcs per model for standard items (mixing allowed).
- **Lead time:** 3-20 working days after deposit, depending on quantity and stock.
- **Packing:** individual white / colour box, master carton with buyer label.
- **Terms:** FOB Shenzhen; T/T, PayPal or Western Union.
- **Warranty:** 12 months from shipment against manufacturing defects.
- **Samples:** available for evaluation before mass production.

QUALITY CONTROL

- 100% ageing test before packing: every unit runs on a burn-in rack.
- **Waterproof test:** IP67 / IP68 / IP69K pressure and immersion checks on sealed models.
- High & low temperature chamber: -20C to +70C operating verification.
- Vibration and shock test for truck, bus and off-highway applications.
- **Full-function check:** video output, IR switching, connector and cable continuity.
- 1-year warranty with responsive technical support and spare-parts supply.

WHY BUY FROM JIFUAN

- **Supply chain integration:** cameras, monitors, MDVR and 360 systems matched from a vetted supplier network - one contact, one shipment.
- **Product experience:** 15+ years on vehicle video, so the platform that fits your vehicle and budget is the one we recommend.
- **Project experience:** fleet, bus, trailer and off-highway builds supplied with the brackets, cables and connectors the vehicle actually needs.
- **Customisation:** housing colour, logo, bracket, connector, cable length, lens angle and firmware changed to suit your market, with a fast answer on feasibility.

Contact us for a quotation

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