



JPC-144

Dual-Lens Camera

2MP, 1920 | 110 degree | 1/2.8" CMOS IMX307 | More than 500 m over 75-3 coaxial cable

Dual-lens camera in one housing

Inside-view lens

Front-view lens

Long transmission

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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Key Features & Specifications

KEY FEATURES

- Dual-lens camera in one housing: 2.1 mm IR lens for the cabin plus a 2.8 mm lens for the road
- 1/2.8" CMOS IMX307, 2MP 1920(H) x 1080(V), AHD 1080p at 25 / 30 fps
- **Inside-view lens:** automatic ICR day / night switching with 4 x 5 mm IR LEDs (2 - 3 m) and a built-in microphone
- **Front-view lens:** colour only, no IR - no windscreen reflection at night
- Minimum illumination 0.001 Lux in colour, 0.0001 Lux B/W, 0 Lux with IR
- **Long transmission:** more than 500 m over 75-3 coaxial cable

TECHNICAL SPECIFICATION

Image Sensor	1/2.8" CMOS IMX307
Resolution	2MP, 1920(H) x 1080(V)
Frame Rate	1080p at 25 / 30 fps
Video Output	AHD (TVI optional)
Transmission	More than 500 m over 75-3 coaxial cable
Minimum Illumination	Colour 0.001 Lux, B/W 0.0001 Lux, 0 Lux with IR on
Lens	2.1 mm IR board lens (inside view) / 2.8 mm board lens (front view)
Viewing Angle	110 degree (2.8 mm front lens; 2.1 mm inside lens is wider)
IR Distance	2 - 3 m (inside view)
Audio	Built-in microphone (inside-view camera)
Noise Reduction	3D NR
White Balance	Auto / Manual
Operating Temperature	-20C to +70C, humidity below 95% RH (no condensation)
Power Supply	DC 12V +/-20%
Cable	3 m shielded power and video cable, aviation connector
Housing	Black plastic case, bracket with 3M tape

Selling Points, Ordering & Usage Notes

PRODUCT SELLING POINTS

- 3D digital noise reduction, auto or manual white balance, UTC supported
- 3 m shielded power and video cable with an aviation connector
- Compact black plastic housing 109 x 44.5 x 60.5 mm, bracket fixed with 3M tape

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

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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