



JPC-167

165° Super-Wide Rear Camera for Trucks

165° horizontal / 100° vertical | 1.8 mm lens | 1080P AHD | IP69K | IR 15 m

165° x 100° view

1.8 mm 6-element lens

1080P AHD

IP69K

100 bar jet tested

IR 15 m

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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Key Features & Specifications

KEY FEATURES

- 165° horizontal / 100° vertical super-wide view - one camera covers the whole rear area, no blind spot left
- 1.8 mm lens with 6 glass elements for a sharp, low-distortion picture
- 1080P AHD output (1920 x 1080) - connects straight to an AHD monitor or MDVR
- IP69K sealed housing, tested at 100 bar water pressure and 80°C water temperature
- 4 mm thick camera case with structural waterproofing, not glue-only sealing
- Tempered curved glass protects the lens from scratches and impact
- **Shock-resistant design:** 1.5 mm THD polymer damper and wedge self-locking screws
- Ceramic lamp stays cool - clear night vision without glare
- Electrostatic powder coating, 300 um layer baked at 200°C, 288 h salt-spray tested
- IR night vision with a 15 m range and automatic IR-Cut day / night switching
- 0.001 Lux minimum illumination at F1.2 - still usable in dim yards and docks
- Adaptive 2D-DNR + 3D-DNR noise reduction keeps the picture clean at night
- Operating temperature -25°C to +70°C for hot and cold climates
- Metal housing, PAL / NTSC, 4-pin aviation connector (RCA optional)

TECHNICAL SPECIFICATION

Image Sensor	1/2.9" color CMOS
DSP Chipset	FH8536H + GC2053 (2053 + 8536H)
Resolution	1920(H) x 1080(V) - 1080P AHD
Viewing Angle	165° horizontal / 100° vertical
Lens	1.8 mm, 6-element glass
Minimum Illumination	0.001 Lux (colour), F1.2
Shutter Speed	AUTO 1/50 (1/60) - 1/100,000 s
Noise Reduction	Adaptive 2D-DNR + 3D-DNR
IR Illumination	IR distance 15 m, auto IR-Cut
Video Output	AHD, 1.0Vp-p, 75 ohm
Video Interface	4-pin aviation: 1 red 12V+ / 2 black 12V- / 3 n.c. / 4 yellow video (RCA optional)
Power Supply	DC 12V (8-15V), consumption below 2.5 W
Waterproof Rating	IP69K - 100 bar / 80°C water jet tested
Operating Temperature	-25°C to +70°C, humidity 0-90%
Housing	Metal, 4 mm case, tempered curved glass
Mounting	Bracket / screw mounting
Test Reports	IP69K water, vibration and high / low temperature reports on file

Product Views



On-Vehicle & Installation Photos



More Installation Examples



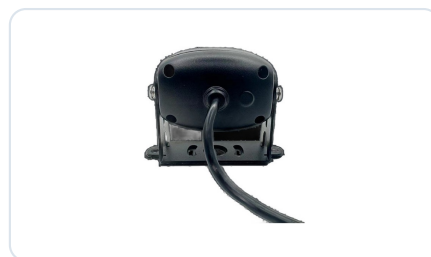
Sealing, Coating & Shock Resistance

HOW IT IS BUILT

- **Case:** 4 mm thick metal body - the housing is part of the sealing, not just a cover.
- **Lens:** tempered curved glass, so stone chips and branches do not scratch the optics.
- **Vibration:** 1.5 mm THD polymer damper plus wedge self-locking screws hold the angle on rough roads.
- **Coating:** electrostatic powder layer 300 um, baked at 200°C - 288 h salt-spray tested.
- **Water:** structural sealing rated IP69K, tested with a 100 bar jet at 80°C.
- **Night:** ceramic IR lamp stays cool and gives an even, glare-free night picture.



DETAIL VIEWS



Test Reports & Certification

REPORTS ON FILE

IP69K water ingress report to ISO 20653: 2013, tested by a



IP69K water ingress test report - ISO 20653:2013 (third-party lab)



IP69K certificate of conformity - report no. 18280CC10028901



Vibration test report - 10 June 2022



High / low temperature test report - 10 June 2022

Where It Is Used, and How to Order

TYPICAL APPLICATIONS

Trucks & Trailers

Buses & Coaches

Tankers & Hazardous Goods

Forklifts

Agricultural Machinery

Construction & Mining

Fleet & MDVR Systems

OPTIONS & ORDERING

- **Video system:** AHD 1080P / 720P or CVBS, PAL & NTSC - confirmed per order.
- **Connector:** 4-pin aviation / RCA, with matching cable and custom length.
- **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 guide lines.
- **Housing and branding:** colour, laser-etched logo, neutral or branded packaging.

ORDERING NOTES

- Confirm the cable length and connector your harness needs (default 4-pin aviation, custom lengths available).
- Confirm PAL or NTSC and whether parking guide lines are required.
- Confirm the mounting position and bracket; IP69K certification can ship with the goods on request.
- Default specification has no WDR function; other viewing angles must be confirmed in advance.

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