



Heavy-duty Pinhole camera MC9150P

The MC9150P camera is designed especially for forklift trucks and is mounted to the back of the fork. The 50° viewing angle makes it possible to observe both forks. Based on its pinhole size opening in the housing, the lens is protected from damage that may be caused by lattice boxes or pallets. The camera has a very high shock- and permanently shock-resistant up to 100 g.



Key facts

- Robust stainless steel housing
- State-of-the-art image electronics (CMOS image sensor)
- High shock resistance
- High sensitivity to light
- Pinhole lens (3 mm)
- Highest protection class IP69K

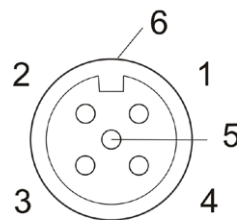
Standards/certificates/quality seals

- EN 12895 Industrial trucks



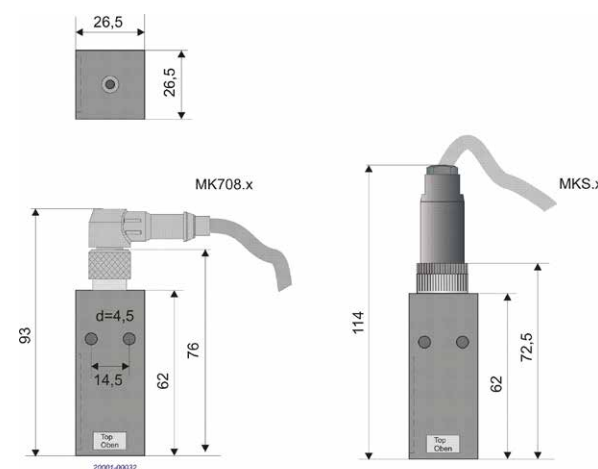
Plug-in connection

M12, 5-pin, Code A



Pin	Function
1	Video
2	n.c.
3	Power
4	GND
5	Video earth connector
6	Outer shield

Dimensions (mm)



Technical data

Image sensor

Energy-efficient automotive CMOS sensor (1/4", 350,000 pixels, active PAL resolution H 640 × V 480) with numerous intelligent functions such as automatic white fader and automatic exposure and brightness control, fault detection and pixel error correction, flicker suppression, high dynamic range (73 dB), high S/N ratio (46 dB) and high sensitivity to light (< 0.2 Lux); programmable overlays are available

Image

50° horizontal image angle equal to 60° diagonal image angle (depending on model, additional image angle upon request), permanently mirrored version available

Housing protection class

Immersion and jet cleaning-proof (IP69K) in accordance with ISO 20653 and IEC 60529

Voltage supply

12 V DC ±10%

Electrical interference immunity

Interference immune design compliant with the following industry standards: EN 61000 and EN 12895

Weight

0,2 kg

Operating temperature

-40 °C...+80 °C

Storage temperature

-40 °C...85 °C

Housing

Robust stainless steel housing (VA 1.4305) to protect against inclement weather conditions

Mechanical load capacity

Robust mechanical design, especially designed for heavy-duty applications, shock- and permanently shock-resistant up to 100 g, vibration-resistant up to 10 g acc. to DIN EN 60068

Power consumption

Environmentally conscious and energy-efficient electrical circuit with < 0.5 W

Scope of delivery

Kamera MC9150P	404 0061 001
Mounting bracket	813 0121 001
Screw set	406 0194 001
Operating instructions	103 0000 111

Horizontal angle of view

Schematic diagram

