



MC3000B

Heavy duty camera

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There are no visibility issues the MC3000B with its anodised and coated aluminium housing cannot handle in robust, heavy duty applications and under extreme weather and environmental conditions. Its numerous available view angles and plug connections make it the perfect choice for a wide range of applications in utility vehicles and mobile machinery.

The MC3000B's mechanical and electric layout is ideally suited for rough conditions in heavy duty applications, and the device is pressure washer-proof in accordance with IP69K to guarantee a long service life and reliability. The energy-efficient automotive CMOS sensor delivers excellent image quality even in difficult lighting conditions. The automatically controlled screen heater ensures perfect visibility at low temperatures – quality “Made in Germany”.



Key Facts

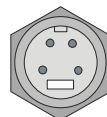
- Suitable for heavy duty applications
- Immersion and jet cleaning-proof (IP68 and IP69K)
- Operating and storage temperature -60 °C...+85 °C
- 2.5 W screen heater
- Automotive CMOS sensor
- 70°, 90°, 100° and 115° horizontal view angle (other view angles on request)
- On-board network integration capability, 9 V...32 V DC
- Made in Germany

Plug connection

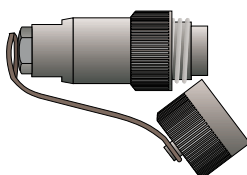
M12/5 pole,
Code A



Mini DIN/4 pole



RD24/7 pole

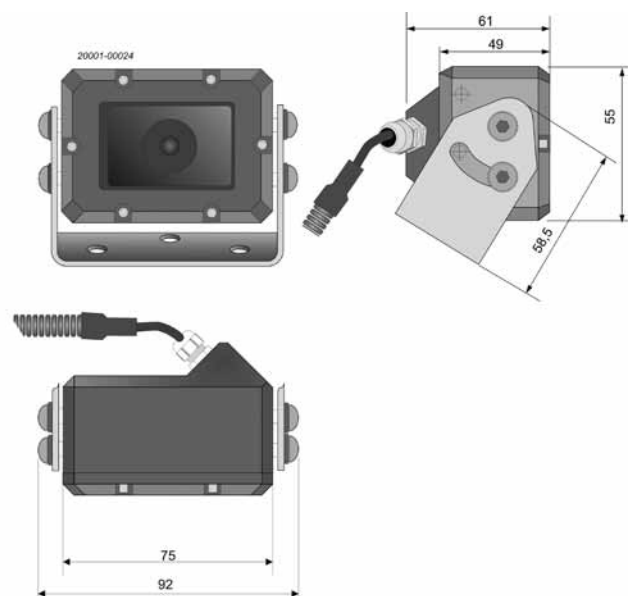


Standards/Certificates/Quality Seals

- EN 13309 construction machinery
- EN 14982 agricultural/forestry machinery
- ISO 13766 earth-moving equipment



Dimensions in mm



Technical data

■ Image sensor

Energy efficient automotive CMOS sensor (1/4", 350,000 pixels, active PAL resolution H 640 x V 480) with many intelligent functions, including automatic white balance and automatic exposure and brightness control. Error recognition and pixel error correction, flicker suppression, high dynamic scope (75 dB), high S/N ratio (46 dB), and high light sensitivity (< 0,05 lux), programmable overlay and distortion correction available

■ Visualisation

70°, 90°, 100° and 115° horizontal view angle (dep. on model, other view angles on request), corresponds to 87,5°, 112,5°, 125° or 144° diagonal view angle, mirror capability via voltage signal (permanently mirrored version available)

■ Housing protection class

Immersion and jet cleaning-proof (IP68 and IP69K) in accordance with ISO 20653 and IEC 60529

■ Power supply

On-board network integration capability, 9 V...32 V DC

■ Electrical interference resistance

Interference-resistant electrical layout in accordance with the following industry standards: EN 13309, EN 14982, EN 50121, EN 55022, EN 61000, ISO 11452, and ISO 13766

■ Weight

370 g

■ Operating and storage temperature

-60 °C...+85 °C

■ Housing

Robust aluminium housing, anodised and coated for added weather resistance, corrosion and salt spray resistant in accordance with DIN 60068, resistant against direct sunlight (UV-resistant in accordance with DIN 75220), acid and base-resistant in accordance with test plan

■ Mechanical resistance

Particularly robust mechanical design, specifically suited for heavy duty applications, shock resistant up to 50 g, shake-resistant up to 30 g (11 ms) and vibration-proof in accordance with DIN EN 60068

■ Power consumption

Eco-friendly, energy efficient switchgear with < 0.5 W (with inactive heating) and < 3.0 W (with active heating)

■ Screen heating

Winter-proof with automatically controlled 2.5 W screen heater to prevent ice formation, frost, and fogging up, active at temperatures below +5°C

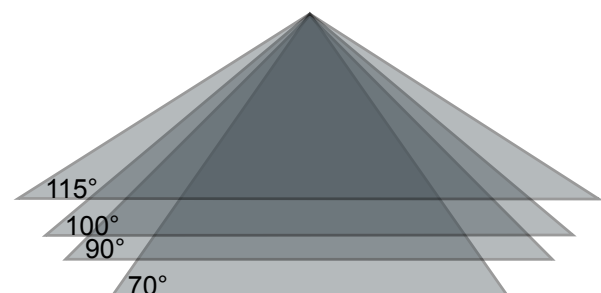
■ Connection cable

0,7 m molded, water-tight plug (IP67 when plugged in)

Package contents

MC3000B compact camera	404 061x 0xx
Bracket set	406 0083 000
Operating instructions	103 0000 149

Horizontal view angle



Schematic diagram

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