



Camera

## MC3000B-VA

Heavy duty stainless steel-camera

# Heavy duty stainless steel-camera MC3000B-VA

The MC3000B-VA camera is a heavy duty camera made of VA steel, and therefore unique in the Motec camera series. Its rust-proof stainless steel alloy housing is ideally suited for applications in extreme weather and environmental conditions, as well as for special requirements in terms of hygiene. The housing is pressure washer-proof and IP69K-tested; the camera can withstand impacts up to 50 g and oscillations up to 30 g. The energy-efficient automotive CMOS sensor delivers an excellent image quality in operating temperatures between -40°C and +85°C. The integrated, automatically controlled 2.5 Watt screen heater ensures perfect visibility at temperatures below 5°C.

## Key Facts

- Suitable for heavy duty applications
- Robust, rust-proof stainless steel housing
- Immersion and jet cleaning-proof (IP68 and IP69K)
- Operating and storage temperature -40°C...+85°C
- 2.5 W screen heater
- Automotive CMOS sensor
- 90° or 100° horizontal view angle (other view angles on request)
- On-board network integration capability, 9 V...32 V DC
- Made in Germany

## Plug connection

M12

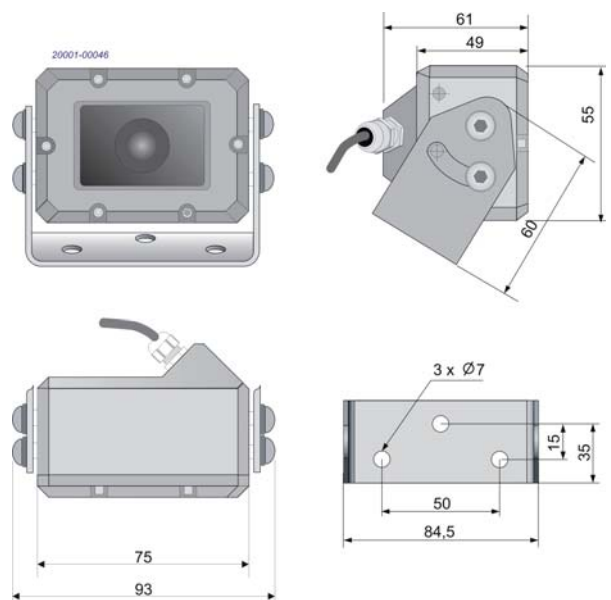


## Standards/Certificates/Quality Seals

- 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° or 100° horizontal view angle (dep. on model, other view angles on request), corresponds to 87,5°, 112,5° or 125° 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

1.090 g

### ■ Operating and storage temperature

-40°C...+85°C

### ■ Housing

Robust, rust-proof stainless steel housing 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

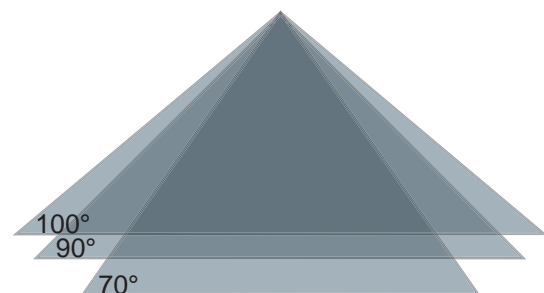
### ■ Connection cable

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

## Package contents

MC3000B-VA compact camera	404 0610 01*
Bracket set	406 0083 000
Operating instructions	103 0000 175

## Horizontal view angle



Schematic diagram

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