



# Heavy Duty Monitor MD3071A-RAM-MH3

Due to its compact and versatile design and its integrated functions, the tough heavy-duty MD3071A monitor offers a wide range of applications, for example the horizontal and vertical version in the 360° bird's eye view system (MVS). The software update option ensures that the MD3071A-V is always up to date and thereby future-proof.



## Technical data

Housing protection class	IP 30	Power consumption (without cameras)	560 mA...120 mA (@ 9 V...60 V DC)
Back-lighting	Typ. 500 cd/m <sup>2</sup>	Power consumption	26 W
Screen diagonal	17.8 cm (7"/16:9)	Weight	0,6 kg inc. light protection hood
Resolution	H 800 x 3 (RGB) x V 480 pixels	Mechanical strength	- Harmonics EN60068-2-6: 5 g (60 Hz...500 Hz)/ 0.35 mm (10 Hz...60 Hz)/ 2 h per axis - Broadband noise EN60068-2-64: 7.9 m/s <sup>2</sup> RMS class B/5 Hz...150 Hz /5 h per axis - Shock EN60068-2-27: 50 g/11 ms/6 shocks per axis, 3 x positive, 3 x negative - Continuous shock EN60068-2-27: 30 g/1000 per axis/11 ms/1 h per axis
Video inputs	3		
Operating temperature	-30 °C...+80 °C		
Storage temperature	-30 °C...+80 °C		
Control cables (input)	0 V... 60 V DC, RIN > 8 kΩ, switching threshold approx. 6 V (high active)		
Contrast ratio	800 (0°)		
Viewing angle	H 120°/V 100° (CR ≥ 10)		
Video signal	FBAS (CVBS)		
Video system	PAL/NTSC		
Signal input	1 Vpp (30 % Sync. neg.)/75 Ω		
Power supply	9 V...60 V DC		
Fuse	5 A/250 V AC IEC 60127-2		

## Key Facts

- 7" monitor (17.8 cm screen diagonal)
- Slim and compact design
- PAL/NTSC video system
- Future-proof due to continuous software updates
- Supply voltage of 9 V...60 V DC
- Connection of up to 2 cameras and one additional external video controller (for up to 4 more cameras)
- Automatic dimmer function
- Illuminated keyboard
- Deep, serial light protection hood (impact protection conformity)
- Made in Germany

## Operation

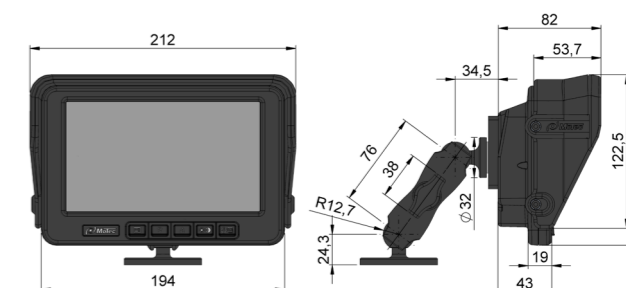
- Key lock function
- Extensive selection of functions
- Horizontal and vertical image mirroring
- Automatic brightness adjustment
- Illuminated key pad
- Administrator and user rights
- Advanced "Expert" functions

## Standards/Certificates/Quality Seals

- EN 12895 forklift trucks
- EN 13309 construction machinery
- EN 14982 agricultural/forestry machinery
- ISO 13766 earth-moving equipment
- EN 50121-3/4 railway applications



## Dimensions in mm



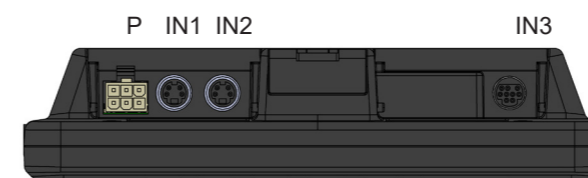
## Package contents

MD3071A monitor	401 3071 005
MD3071A-AK connection cable fused (3 m)	812 0079 014
RAM-MH-3 Monitor bracket	406 0206 010
Light protection hood	406 0168 001
Operating instructions	103 0000 158

## Image visualisation

- Single frame mode
- PAL-480 visualisation (no image distortion)
- 16:9 format

## Plug connection



- Connection option for 2 cameras and additional connection for external video controller
- Integrated strain relief for the plug connectors (no loosening due to vibration)

