



AVS Mirror replacement system

The digital exterior mirror for the on-road sector
UN ECE R46 certified



Technical Data AVS Monitor 12,3" R46

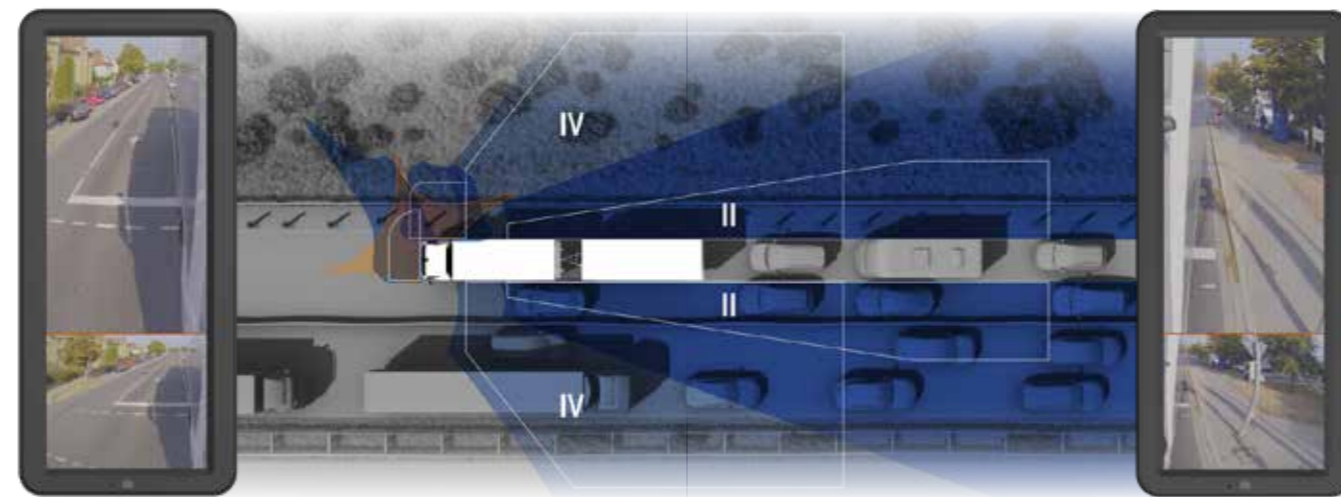
Dimensions (W x H x D)	148 mm x 331 mm x 39 mm
Weight	1.500 g
Housing	Plastic
Video format (W x H)	HD 1920 x 720
Point of view	Horizontal: 170° Vertical: 170°
Display	IPS display Colour accurate, viewing angle stable and anti-glare
Camera inputs	2 x 1080P - AHD (30 fps) 2 x CVBS - PAL/ NTSC No mixed operation possible
Brightness	1000 cd/m ² Automatic adjustment
Contrast	1000:1
IP protection class	IP 30
Operating temperature	-20 °C to +70 °C
Storage temperature	-30 °C to +80 °C
Vibration resistance	6,3 G (ISO 16750-3)
Operating voltage	10 V – 32 V
Current consumption	Max. 20 W
Current consumption	Max. 2,5 A
Features	Guide lines overlay Zoom function



Technical Data AVS Cam Dual R46

	Upper camera	Lower camera
Dimensions (W x H x D)	90 mm x 114 mm x 48 mm	90 mm x 114 mm x 48 mm
Weight	586 g	586 g
Housing	ALU die-cast salt resistant protective coating	ALU die-cast salt resistant protective coating
Imaging sensor	1/2.8 CMOS	1/2.8 CMOS
Frame rate	30 FPS	30 FPS
Video format (W x H)	1920 x 1080 Pixel	1920 x 1080 Pixel
Sensor resolution	1080p	1080p
Video-Output	1.0 Vp-p / 75 Ohm	1.0 Vp-p / 75 Ohm
Light sensitivity	0.1 Lux	0.1 Lux
Colour accuracy	Automatic white balance	Automatic white balance
Electronic shutter	1/30(1/25) - 1/50,000 Sec.	1/30(1/25) - 1/50,000 Sec.
Operating temperature	-40 °C bis +105 °C	-40 °C bis +105 °C
Operating voltage	DC 12 – 32 V	DC 12 – 32 V
Power consumption	Max. 2,64 W	Max. 2,64 W
Protection class	IP 69K	IP 69K
Vibration resistance	10 G	10 G
Aperture angle	20° (H) 35° (V)	71° (H) 63° (V)

Our vision ... is safety!



Safety through optimum visibility

The digital exterior mirror for the on-road sector

An easy-to-integrate, stand-alone mirror replacement system based on high-resolution HDR analogue cameras increases the economic efficiency of vehicles by offering advantages over conventional mirror systems:

- Optimised aerodynamics
- Reduced soiling
- No vibration of the mirror glass
- Smaller contact surface for objects at the edge of the road (e.g. branches, signs)
- Improved visibility of monitors compared to mirrors
- No adjustment before driving

Customisable guide lines at the edge of the screen make it easier to interpret the vehicle length. The monitors are equipped with a recording function and, if required, can ensure that the surroundings are monitored with evidence.



Guide lines



Three colours to choose from



Length adjustment possible



Freely movable



HD-Cameras

The HD resolution of 1920 x 1080 pixels provides a razor-sharp image and allows the user to optimise their perception of their surroundings.



Homologation

Homologation is possible if the cameras and monitors can be installed in accordance with the specifications.



HDR-Cameras

Thanks to the HDR function of the high-resolution cameras, objects can be perceived in detail both in shadow areas and in bright areas. An optimised image is displayed even in backlit conditions.



Bright IPS display

The modern IPS display with 1000 cd/m² allows the displayed image to be optimally perceived even in direct sunlight. A sensor adjusts the brightness to the ambient light. The wide viewing angle ensures good recognisability from all directions.

Homologation

The digital exterior mirror for the on-road sector

The AVS mirror replacement system from MEKRAtronics is homologated in accordance with UN ECE R46 Part 1 and can replace your vehicle mirrors if installed in accordance with regulations.

By installing the dual camera in accordance with the regulations, both the exterior mirrors of field of vision class II and field of vision class IV can be replaced.

The monitors in the driver's cab must also be positioned in accordance with the UN ECE specifications. An assessment by a technical service is required in accordance with UN ECE R46 Part 2 for overall homologation or individual approval.

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For more Information:

