

ProViu™ ASL360

Description

Four camera surround view system.



Picture: ECU



Picture: Camera

Features:

- Four-Camera Surround View Driver Assistance enables the driver to see 360° around the vehicle on display.
- The surroundings can be seen top-down from a bird's eye view perspective. Such a view eliminates blind spots during critical and precise manoeuvres in different traffic situations.
- Input images from the cameras are processed and stitched together in 360° bird-view of the vehicle surroundings
- Genuine real time delivery at 30fps
- Flexible SW tool chain (e.g. multiple screens, configuration, custom user interface etc.)
- Wide angle fisheye cameras

Technical Data ECU

Video Output	SVGA (800 x 600), VGA, PAL or NTSC
Video Output Connections	VGA Connector (Standard)
	M12 Connector (Standard)(Dual Composite Video Output)
PC Output	M12 to RJ45 Connector Available (Ethernet)
Camera Inputs	4
Camera Connections	6
Housing	Die-cast Aluminum; 225 x 120 x 35 mm
Nominal Voltage	12 / 24 V
Operating Voltage	9 - 32V
Over Voltage protection	The system shall withstand a supply voltage up to +36 VDC for 5 minutes.
Reverse polarity protection	Yes
Current consumption	max. 1A @12V with 6 cameras
Operating temperature	- 40 to + 85°C
Storage temperature	- 40 to + 85°C
EMC in conformity with (Electromagnetic compatibility)	CE ECE-R10 (E11 label) FCC
Vibration	Vibration test for ISO 16001 / ISO 15998 5Hz to 9Hz peak to peak amplitude: 42mm 9Hz to 200Hz acceleration: 50m/s ² Sweep rate: 1oct/min / 2 hours each axes
Mechanical shock	Mechanical shock tests (bare unit) DIN EN IEC 60068-2-27 (Test Ea) Half-sine wave,400m/s ² for 6ms,100 shocks in all 3 axes, both directions.

Technical Data Cameras

Wide Angle Fisheye Camera with Infrared Filter	
Field of View	180°
Viewing Angle	Horizontal
Connector Type	M 12
Video Signal	PAL
Vibration	Vibration test for ISO 16001 / ISO 15998 5Hz to 9Hz peak to peak amplitude: 42mm 9Hz to 200Hz acceleration: 50m/s ² Sweep rate: 1oct/min / 2 hours each axes
Mechanical shock	Mechanical shock tests (bare unit) DIN EN IEC 60068-2-27 (Test Ea) Half-sine wave,400m/s ² for 6ms,100 shocks in all 3 axes, both directions.
Minimum Illumination	0.1 LUX
Minimum Supply Voltage	9 V
Weight	272 g
Salt spray	a. Salt Concentration: 5%±1% Sodium Chloride (NaCl) b. pH value: 6.5 - 7.2 c. Temperature: 35°C±2°C d. Spray Volume: 1-2 ml/80cm ² /hour e. 24 H
Protection class	IP 69K

Note: Product was developed based on industrial standards.

Technische Änderungen vorbehalten

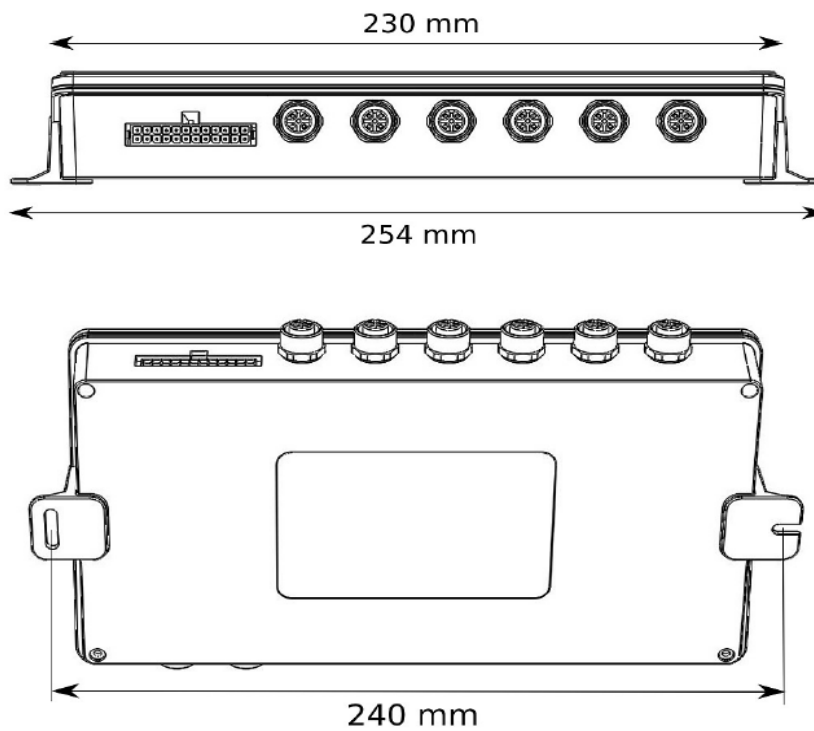
Technical details subject to change

2 - 3

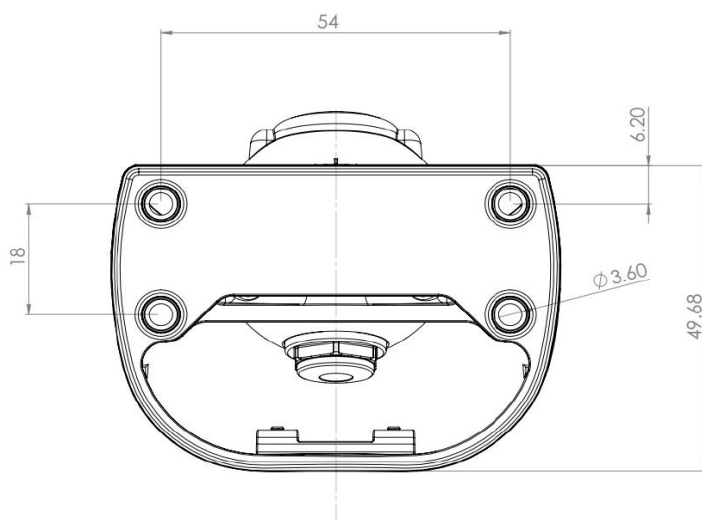
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Dimensions ECU



Dimensions Camera



Power and I/O connector pinout