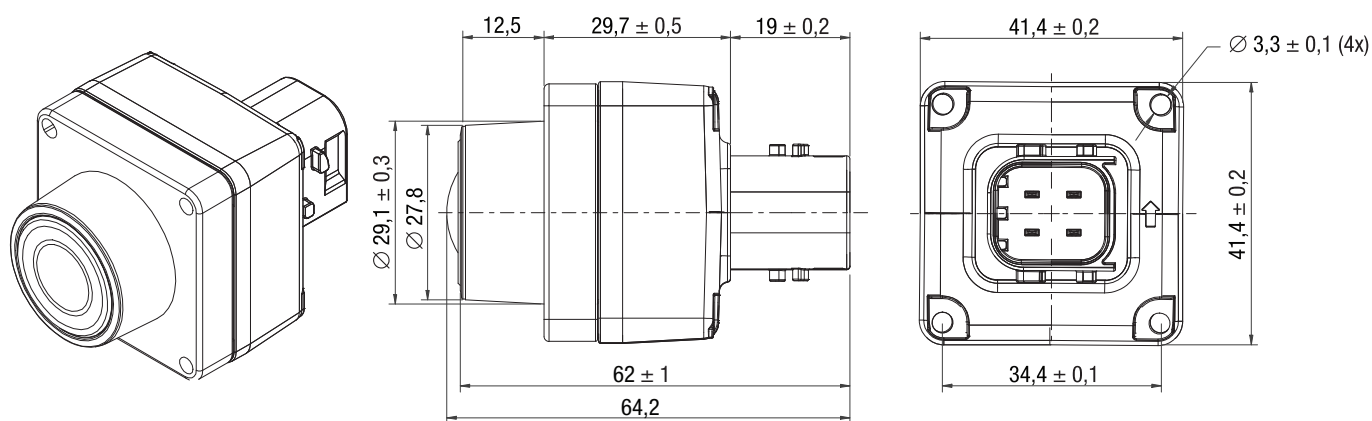


Camera EMOS II BroadR-Reach



Suitable for M3 Bolts (Not included)

DIMENSIONS Units in mm.

DOCUMENT & ARTICLE NO.

DS0961117ENA02

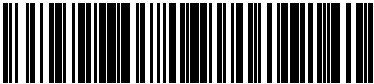
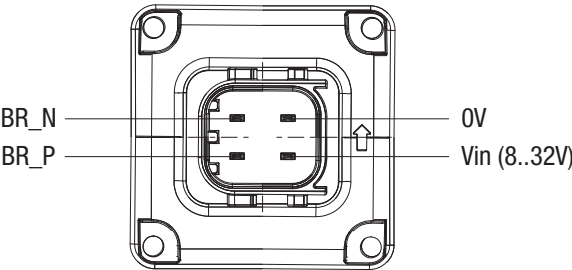
Article no. 0188081 camera 120°

Article no. 0188091 camera 180°

Camera EMOS II BroadR-Reach

	Description	
Article number	0188081	0188091
Lens specified	158°	180°
Horizontal lens angle	120°	178°
Vertical lens angle	75°	110°
Data signal	100Mb/s 100BASE-T1 (BroadR-Reach).	
Sensor element	High resolution 1/2.54" CMOS rolling shutter, 1.3 megapixel (1280 x 1080) high dynamic range (HDR) high definition image sensor.	
Video resolution	Configurable resolution with a maximum of 1280x800 at 30 fps with HDR. Supported resolutions: 1280x864px sensor crop scaled to 1280x800, 1280x800px sensor crop scaled to: 1280x800 or 1280x400 or 640x800 or 640x400 or 320x800.	
Protocols	RTP over UDP (RFC6184), ISO17215-2014, AVB (IEEE1722), VLAN.	
IP address	DHCPv4 or static IPv4 address.	
Light sensitivity	Backside illumination technology enables industry-leading light sensitivity <0.1Lux.	
Dynamic range	120 dB.	
Compression	H.264 (with I-frames only).	
Camera latency	25ms.	
Image processing	Color and gamma correction, 3D noise correction, edge enhancement, digital WDR, advanced contrast enhancement, auto white-balance, auto exposure control, cropping, mirroring, flipping and scaling.	
Live indicator	A live spinning widget overlay can be enabled or disabled in the top right hand corner of the image. This is an added visual indication to confirm that the video stream is live, functional and not frozen.	
Electrical		
Power input	12/24V/DC. Below 7V: the camera is non-functional. Above 33V the overvoltage protection is activated. This overvoltage protection is deactivated below 30V. The power circuit is protected up to 80V/DC. Outputs are short circuit protected. In all these above-mentioned values, tolerance of +/-10% is applied.	
Power consumption	<2W.	
Transient protection	The camera may be powered directly from a 12V or 24V battery without additional electrical protection since the camera has an integrated circuit that protects the camera against over- and under voltage, spikes, ripples, and load dumps (ISO-Pulses).	
Connector	Integrated TE Connectivity HDSCS automotive connector system for power and data interface. Mating connector is HDSCS 1-1418469-1.	
Cabling	Recommended Y-split cable assembly is 0322000, with M12 D-coded in-line connector system for data.	
Max. cable length	15m. for data with a maximum of 4 in-line connectors.	
Min. cable bend radius	50mm.	
Mechanical		
Housing	Front assembly: anodized aluminum. Back cover PC/ABS with integrated connector. All materials are UV resistant according to ISO 4892-2. and corrosion proof according to IEC 60068-2-52 salt mist, cyclic.	
Ingress protection	IP67 according to EN 60529; dust tight and protected against the effects of immersion in water up to 1m under water for 30 minutes. IP69k according to DIN 40050-9: the camera can withstand high-pressure cleaning with water: 14-16L/min, at 80°C and 80-100 bars. Note: IP rating only applies when mated with a sealed connector.	
Mounting hardware	Not included. Do not use liquid thread lockers.	
Shock constancy	Shock and vibration resistance for usage on heavy equipment, trucks, cranes, forklifts, maritime applications, and machinery. Random vibration test 15,3Grms. Shocks 500 m/s2 impacts according to IEC 60068-2-27 (50G).	
Weight	Camera 92g.	Packaging weight 300g.
Shape and dimensions	Cube-shaped camera 42 x 42 x 65mm.	
Truck use	Can withstand common fluids and materials used in and around trucks; like fuels and fluids (diesel fuel, engine oil, hydraulic fluid and antifreeze), cleaning agents (glass cleaner, soap and degreaser) and road salts (CaCl2 30%, MgCl2 25%, [CaMg2 (CH3COO)]6 30% and KC2H3O2 50% solutions)	
Operating temperature	-40°C to +85°C.	
Storage temperature	-55°C to +105°C.	
Compliance		
Approvals	In compliance with relevant EMC- and Automotive directives. Certificates available upon request.	

Pinout rear view



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