

Vision is
our mission®

Camera HMOS 180° DigiCoax
Article no. 311691

Camera HMOS 120° DigiCoax
Article no. 311689

Camera HMOS 90° DigiCoax
Article no. 311686

Camera HMOS 60° DigiCoax
Article no. 311684

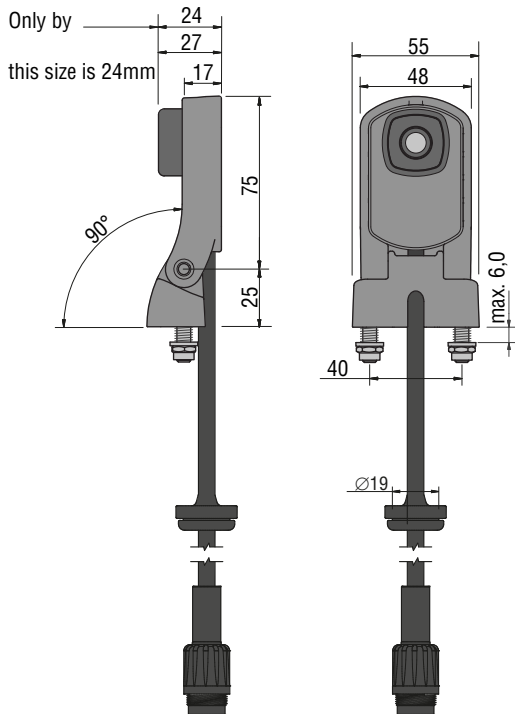
Camera HMOS 30° DigiCoax
Article no. 311683

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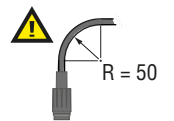
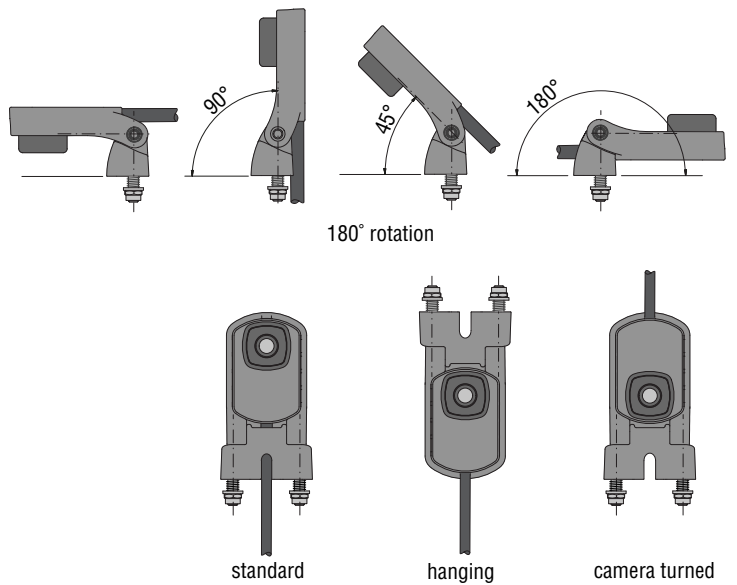
Product Data

Dimensions



Units in mm

Mounting options



Min. bend radius= 50mm

TECHNICAL DATA

Camera HMOS DigiCoax

	Description				
Articlenumber	311691	311689	311686	311684	311683
Lens Specified	HMOS 180°	HMOS 120°	HMOS 90°	HMOS 60°	HMOS 30°
Horizontal lens angle	180°	120°	90°	60°	30°
Vertical len angle	105°	74°	56°	37°	18,5°
Sensor element	High resolution 1/3" CMOS rolling shutter, 1280H x 960V.				
Video image	50 fps SDR/HDR 1280 X 800.				
Protocols	Uncompressed video over coax.				
Latency	<6µs				
Light sensitivity	Responsivity 5.5V/lux-sec, Low light feature (<0,1 Lux).				
High Dynamic Range	>115dB.				
Interface	DigiCoax.				
Image processing	Color and gamma correction, 3D noise correction, edge enhancement, digital WDR, advanced contrast enhancement, auto white-balance, auto exposure control, mirroring, flipping, photometric and geometric lens distortion correction.				
Electrical					
Power input	Camera HMOS may only be powered by Orlaco monitor HLED. The camera HMOS has no internal power protection.				
Power consumption	<2W				
Connector/Cable	0,5m cable with Coax and molded male connector (camera power input and video output).				
Min. cable bend radius	50mm.				
Mechanical					
Housing	Anodised aluminium, black, UV resistant, light fastness >8, corrosion proof according IEC 60068-2-52 salt mist, cyclic.				
Filling	Camera is potted with automotive potting resin				
Ingress protection	IP68 according to IEC 60529; dust tight and protected against the effects of continuous immersion in water up to 10m under water for 30 minutes. IP69k according to DIN 40050-9: camera can withstand a high pressure cleaning with water: 14-16L/min. 80°C and 100 bars flow.				
Lens glass	Chemically hardened, toughed, tempered float glass: 5 to 7 times stronger than ordinary glass, protected against acid: class 2-3; DIN 12116, passed flying stone test.				
Mounting hardware	Standard stainless steel.				
Shock constancy	Shock and vibration resistant for usage on trucks, cranes, fork-lifts, maritime applications, machinery.				
Camera bracket	Material: Glass reinforced polyamide; VX4920 + PC/ABS; C1200HF, test: 50 Nm at -40°C to +85°C.				
Weight	0,24kg. including cable, bracket and mounting material. 0,30kg. in standard packing.				
Truck use	Withstand all fluids and materials used in and around trucks like: ammonia solution 5%, ethanol 80-100%, isopropanol 5-10%, soapy water (min. 50% soap per volume), alkaline degreasing compounds(used in high pressure washing equipment).				
Operating temperature	-40°C to +85°C.				
Storage temperature	-40°C to +125°C.				
Certification					
Approvals	Approvals in compliance with all relevant EMC- and Automotive directives. This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Certificates available upon request. Compliant with RoHS and REACH.				

All data subject to change without notice. All dimensions are for commercial purpose only.

The camera/display systems from Orlaco comply with the latest CE, ADR, EMC and mirror-directive regulations, where applicable.

All products are manufactured in accordance with the ISO 9001 quality management system, ISO/TS 16949 quality automotive, ISO 14001 environmental management systems and all Ex products with the IECEx scheme and ATEX directives, where applicable.

