Camera EMOS 30° Ethernet with Ex housing Article no. 0181620 Camera EMOS 60° Ethernet with Ex housing Article no. 0181630 Camera EMOS 90° Ethernet with Ex housing Article no. 0181610

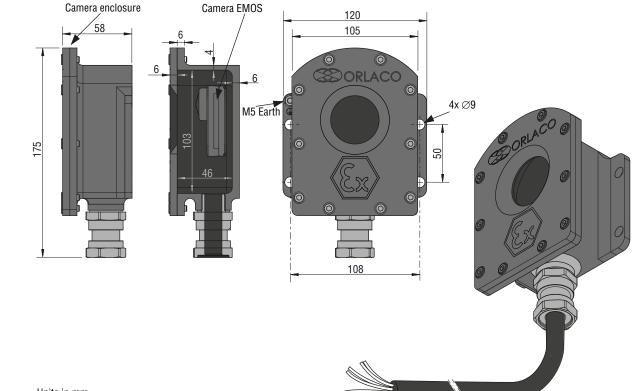
2018 • DS0964250 EN A 04



Dimensions

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Units in mm

TECHNICAL DATA

Camera EMOS Ex

Article number Lens specified Horizontal lens angle Vertical lens angle Sensor element Video image Protocols IP address Latency Light sensitivity High dynamic range Compression Interface Image processing	Description01816100181620018163090°30°60°90°30°60°68°22°45°High resolution 1/3" CMOS rolling shutter, 1280H x 960V.60°60°s at 720p SDR , 45fps at 960p SDR image processing and 56fps at 720p HDR, 43fps at 960p HDR image processing.RTP (MJPEG RFC2435 and h.264 RFC5184) over UDP, PTP and gPTP, IS017215-2014, IEEE1722 (AVB), ARP.DHCPv4 or static IPv4 (IPv6 possible).<100ms depending on hardware processing platform (50ms demonstrated on Orlaco hardware).responsitivity 5,5V/ux-sec, Low light = ture (<0,1Lux).>115dB.MJPEG, H.264 (High 10 intra profile = coting).100Mb/s (Fast Etherret).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.	
Power input	Electrical 12/24V/DC. Below 7V: camera is non-functional. Above 33V the overvoltage protection is activated. This overvoltage-protection is deactivated below 30V. Powercircuit is protected up to 80V/DC. Outputs are Short Circuit Protected. In all these above mentioned values; a tolerance of +/-10% is applied.	
Power consumption Transient protection Cable Min. cable bend radius	<2W. Camera may be powered directly from 12V or 24V battery without additional electrical protection since camera has an integrated circuit that protects the camera against over- and undervoltage, spikes, ripples and loaddumps (ISO-Pulses). Cable length 5m, open wires, 6 wire: 2x twisted pair for data and 2 wires for power supply. 50mm.	
Housing Ex enclosure Filling camera Ingress protection Shock constancy Truck use	Mechanical Material Stainless steel 316L. Camera is potted with automotive potting resin. IP66. Shock and vibration resistant for usage on trucks, cranes, fork-lifts, maritime applications, machinery. 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). Ex Certification and approvals Suitable for use in Ex zone 1/21 and 2/22 Atex, directive 2014/34/EU IEC 60079-0:2011, EN 60079-0:2012/+A11: 2013, IEC/EN 60079-1: 2014, EN 13309 ISO 13766 EN ISO 14982 FCC	

Ex-Code Ex db IIC T6 Gb, Tamb: -40°C + 70°C Ex tb IIIC T 85°C Db

Entries Ex d glands only.

UNECE R10

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.







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