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Camera AFZ Ex Alu
Article no. 0192031

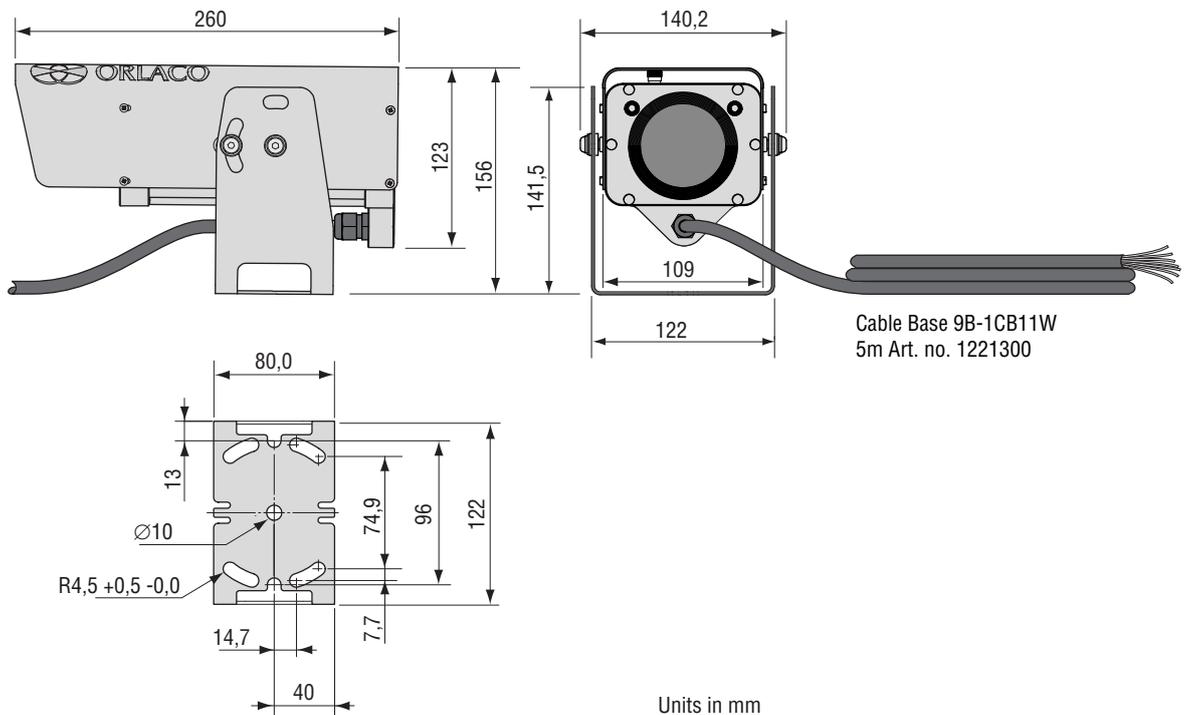
Camera AFZ Ex Sst
Article no. 0192041

2019 • DS0964020 EN A 05

Product Data



Dimensions



Units in mm

TECHNICAL DATA

Camera AFZ Ex Alu/Sst

	Description
Article number	0192031 Camera AFZ Ex Alu. 0192041 Camera AFZ Ex Sst.
	Sensor
Image sensor	2.4 MPixel 1/3" CMOS sensor.
Total pixels	1956 (H) x 1266 (V).
Hor. Resolution	>700 TV lines (PAL/NTSC).
Lens	30x optical, 32x digital zoom. f = 5.1 mm to 51 mm, F1.6 (WIDE) to F1.8 (TELE). High zoom ratio up to 53x when used in PAL/NTSC mode (1.9x digital zoom will not influence image quality. Sensor itself is ± 4x the number of pixels needed to create PAL/NTSC output).
Angle of view (H)	58.9° (wide) 2,11° (tele).
Minimum illumination	0.5 lux (1/30sec).
0-Lux mode	0.025 lux (1/7.5sec).
	Electrical
Power input	24V/DC +/-10%.
Power consumption	Temperature <0°C (heater on): 5,6W temperature >0°C (heater off): 3,6 W.
Fuse	The camera must be protected with a 315 mA-T fuse, with 1500A breaking capacity. Placed on the Ex board, see Installation manual IM0973031.
Presets	128 presets Visca and 255 presets Pelco-D.
Cable	Cable Base 9B-1CB11W, Art. no 1221300, length 5m, min. bending radius 50mm.
Communication	Communication via serial interface through pin nr. 5 and 6 of the 7 poles connector, Visca-, PELCO-D protocol (RS232) 9,6 Kbps, 8 bit, 1 stop bit, no parity.
Electrical parameters	Um = 30V/DC.
	Mechanical
Construction	Sun cover and housing: aluminium (ALMGSi1). Bracket and mounting parts: SSt 316. 1,4 Bar overpressure filled with dry nitrogen, monitored by 2 absolute sensors, long term stability 0,1%/year.
Weight	3 kg (including cable).
Protection	IP68 according to IEC 60529, Dust tight and protected against the effects of immersion in water up to 10m for 30 minutes and IP69K according to DIN 40050-9, camera can withstand a high pressure cleaning with water: 14-16L/min 80°C and 100 Bars flow.
Bracket	Standard bracket, including bolts, nuts and washers. Suitable for mounting hanging, overhead and standing.
Glass	Chemically hardened lens glass, 7x stronger than ordinary glass, scratch proof surface, following "VII Flachgläser" (German std.).
Operating temperature	T-amb. -20°C to +75°C.
	Certification
Standards	EN 60079-0 : 2009, EN 60079-18 : 2009, EN 60079-2 : 2007, EN 60079-31 : 2008, EN 60079-11 : 2007.
Green Passport	All materials are compliant to Green Passport requirements according IMO resolution MEPC.197(62) as adopted on 15 July 2011 (Maritime sector: International Maritime Organization concerning the functions of the Marine Environment Protection Committee).
Ex Specifications	CE0344 Ex II 2 G Ex ib mb px IIC T4 Gb. Ex II 2 D Ex mb tb IIIC T102°C Db.
Approvals	IEC 60079-0 : 2007-10 Ed. 5, IEC 60079-11 : 2006 Ed. 5, IEC 60079-18 : 2009 Ed. 3, IEC 60079-2 : 2007-02 Ed. 5, IEC 60079-31 : 2008 Ed. 1.

NOTE For more installation and specification details see Installation Manual IM0973031.

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, IATF 16949 quality automotive, ISO 14001 environmental management systems and all Ex products with the IECEx scheme and ATEX directives, where applicable.

