

Vision is
our mission®

AFI Auto Focus Insulated
Article no. 0103611
AFI Auto Focus Insulated (Arctic)
Article no. 0103621

AFI Auto Focus Insulated 2m
Article no. 0103671

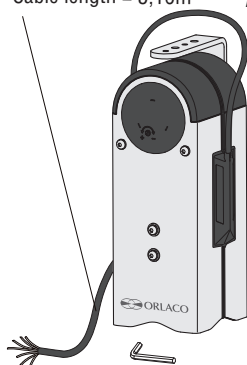
2018 • DS0961310 A 02

Product Data

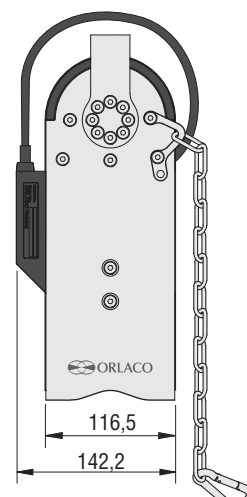
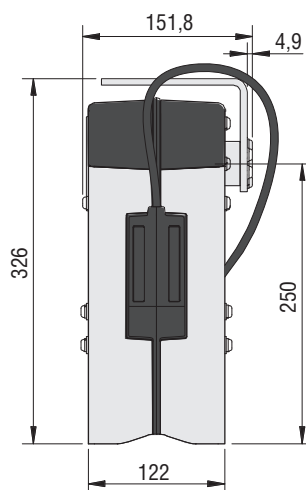
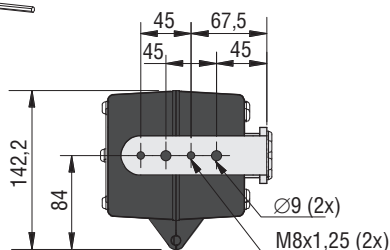
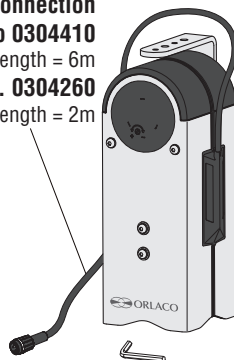


Dimensions

Camera AFI Arctic
Cable connection
Art. No 1221300
Cable length = 5,10m



Camera AFI
Cable connection
Art No 0304410
Cable length = 6m
Art. no. 0304260
Cable length = 2m



Safety chain with carabiner
(Only Art. no. 0103670)

Units in mm

TECHNICAL DATA

AFI Auto Focus Insulated

	Description		
Article Number	0103611	0103621	0103671
Operating temperature	6m cable	Arctic, Extra module heater included.	2m cable
Cable	-40 to +85°C. Art. no. 0304410, 7p male connector. Cable length = 6m.	-50 to +85°C. Art. no. 1221000, open wire. Cable length = 5,10m.	-40 to +85°C. Art. no. 0304260, 7p male connector Cable length = 2m.
Weight	8 kg (including cable).	8,3 kg (including cable).	7,8 kg (including cable).
Power consumption	Heater off 2W. Heater on 4W.	Heater off 2,5W. Heater on 16W.	Heater off 2W. Heater on 4W.
Purpose	General Designed for usage on cranes to have a camera pointed downwards perpendicular. The damper absorbs sudden movements and procure stability. The AFI of Orlaco has been balanced by the factory.		
Power input	24V/DC.		
Ingress 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. Dry-nitrogen filled, 1,4 Bar overpressure.		
Image sensor	Camera 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).		
Communication	Communication via serial interface through pin nr. 5 and 6 & the 7 poles connector, visca protocol (RS232) 9,6 Kbps, 8 bit, 1 stop bit, no parity.		
Oil filling	Damper Univis HVI 26 or alternative with kinematic viscosity 896 at -40 °C (Total volume = 40,23 cc).		
Housing	Suitable for mobile applications with shocks and vibrations. Black Nituff (PTFE Coated according Mil-A-63576 type II). Offshore proof following IEC 60068-2-52.		
Plate material	AISI 316.		
Mounting hardware	Stainless steel. Safety chain provided only with Art. no. 0103671.		
Max. mast speed	2°/sec.		
Installation	See installation manual IM0973360		

Electrical connections

Article no. 0103611, 0103671

Cable Art. no. 0304410, 7p male Connector

1 = Coax core	Video Signal
2 = Coax shielding	Video 0V
3 = Red	+24V/DC
4 = Black	0V
5 = Orange	Serial RX, RS 232
6 = yellow	Serial TX, RS 232
Grey	N.C.
Shielding	GND

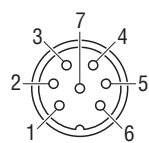
Article no. 0103621

Cable Art. no. 1221300, Open wire

1 = Coax core	Video Signal
2 = Coax shielding	Video 0V
3 = Red	+24V/DC
4 = Black + Black/Grey	0V
5 = Green	Serial RX, RS 232
6 = Grey	Serial TX, RS 232
Black/White, Red/White, Black/Blue, Blue and Brown N.C.	
Shielding	GND

AFI Arctic Camera startup time

Ambient temp.	Camera startup time
-20°	0 minutes
-40°	15 minutes
-50°	45 minutes



Front side molded male connector

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.

