Vision is our mission®

Product Data

Dimensions
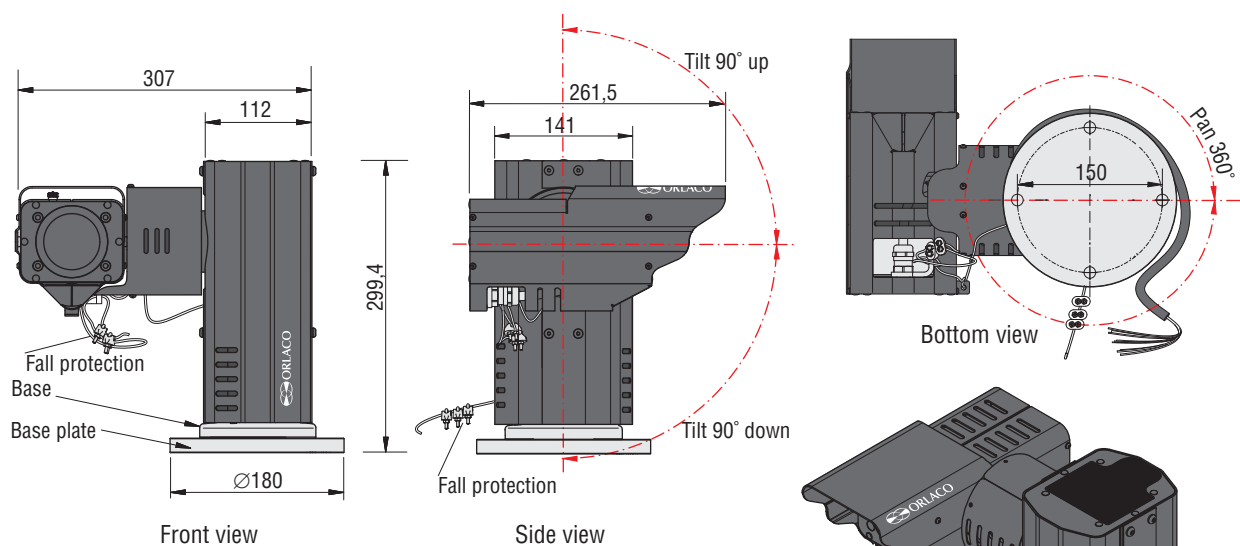
307

112

299,4

Fall protection

Base

Base plate

∅180

Front view

261,5

141

Tilt 90° up

Tilt 90° down

Fall protection

Side view

150

Pan 360°

Bottom view

Cable length 5m
3,5m available for installation
Cable Base 9B-1CD-11W

Units in mm

ORLACO
Specialised Camera Solutions

ISO/TS 16949
ISO 9001
ISO 14001

CE E4
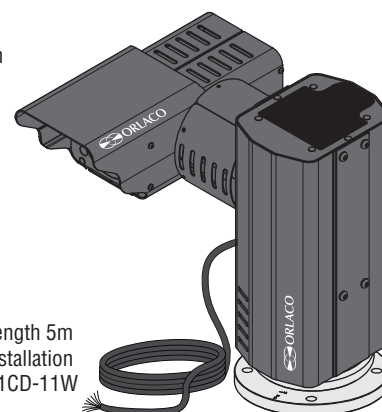
Camera PTZ Alu RS232
Camera PTZ Alu RS485

Article numbers	**Description** **311768 Camera PTZ PAL Alu RS232** **312417 Camera PTZ PAL Alu RS485**

General
Pan Tilt unit including zoom camera. The PTZ unit functions via two industrial stepping motors. These stepping motors are controlled by the integrated micro-controller and input commands RS232 or RS485 Visca-, Pelco-D protocol.

Zoom camera

Image sensor	2.4 MPixel 1/3" CMOS sensor.
Total pixels	1956 (H) x 1266 (V).
Hor. Resolution	>700 TV lines (PAL).
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).

Pan & Tilt

Pan angle	Total 360°, 180° left, 180° right.
Tilt angle	Total 180°, 90° up, 90° down from horizontal.
Backlash PTZ	1°.
Pan & Tilt speed	12,5°/sec.
Presets	128 presets Visca and 255 presets Pelco-D.
Controls	The PTZ camera can be controlled by means of the Monitor 7" RLED Serial; article no. 0208232 or the Monitor 12" Serial.

General

Housing	Anodised aluminium housing corrosion proof according IEC 60068-2-52 salt mist, cyclic. 1,4 Bar overpressure filled with dry nitrogen, long term stability 0,1%/year.
Weight	6,8 kg, including 5m. cable.
Cable	Length 5m, 3,5m available for installation, Cable Base 9B-1CD-11W, Art. no. 1221300.
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.
Operating temperature	-40°C to +85°C. Puls width modulated thermostatically heating integrated.
Power input	18...30V/DC or alternatively 100...240V/AC via SmartBoard.
Power consumption	Pan & Tilt; Heating on; 12W, heating off; 8,4W (Automatic heating).
Communication	Communication via serial interface; Visca-, Pelco-D protocol (RS232 or RS485) 9,6 Kbps, 8 bit, 1 stop bit, no parity.
Included	Steel cable fall protection.
Installation	See installation manual IM0973143.

Certification

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).

Electrical connections

Cable Base, Art no 1221300

	RS232	RS485			
1 = Coax core	Video	Video			
2 = Coax shielding	Video GND	Video GND			
3 = Red	Camera power	Camera power			
4 = Black	Camera 0V	Camera 0V			
5 = Red/White	Pan/Tilt power	Pan/Tilt power	1 = Red/blue	N.C.	
6 = Black/White	Pan/Tilt 0V	Pan/Tilt 0V	2 = Black/blue	N.C.	
7 = Green	Serial 1 RS-232 TX	B (inv)	3 = Blue	N.C.	**Cut off at wire entry**
8 = Grey	Serial 2 RS-232 RX	A (non-inv)	4 = Brown	N.C.	(In Junction box)
9 = Black/Gray	Serial 0V		5 = Shielding	N.C.	

D 5 0 9 6 1 3 4 3 E N A 0 1

ORLACO
Specialised Camera Solutions

www.orlaco.no