Vision is our mission®

Product Data

Dimensions
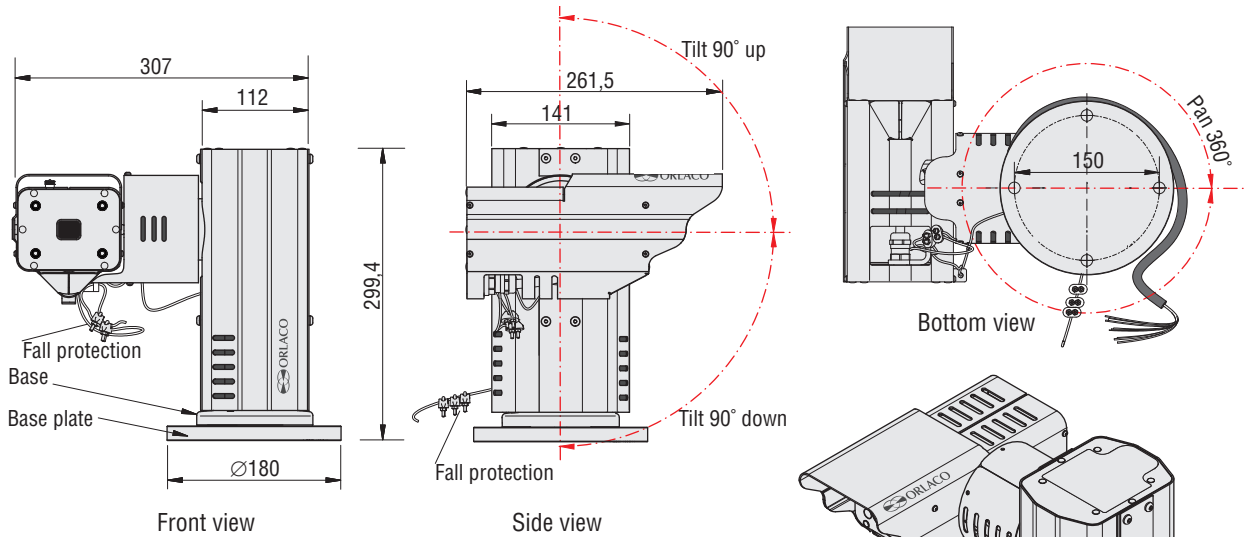
307

112

Fall protection
Base
Base plate

⌀180

Front view

261,5

141

Tilt 90° up

299,4

Tilt 90° down

Fall protection

Side view

Pan 360°

150

Bottom view

Cable length 5m
3,5m available for installation
Cable Base 9B-1CD-11W
Art. no. 1221300

Units in mm

ORLACO
Specialised Camera Solutions

CE
E4

Camera PT TIC SSt
Camera PT TIC SSt RS485

Description
Article number	**0506981 Camera PT TIC SSt RS232**
Article number	**0516981 Camera PT TIC SSt RS485**

General
Pan Tilt unit including TIC camera. The PTTIC 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
Sensor	Uncooled LWIR Thermal Imager 324 x 256 VOx Microbolometer.
Pixel size	25 micron.
Frame Rates	30/60 Hz (NTSC); 25/50 Hz (PAL).
Sensitivity	<50 mk f/1,0.
Scene Range	High Gain -40°C to +160°C. Low Gain -40°C to +550°C.
Digital zoom	2x & 4x.
Video	NTSC/PAL, field switchable.
Lens	WFOV (Wide Field Of View), 19mm (f1.24) 24° x18°.
Color	15 Color Palettes (LUTs).

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 PTTIC camera can be controlled by means of the Monitor 7" RLED Serial; article no. 0208232 or the Monitor 12" Serial article no. 0207910.

General
Housing	Stainless steel 316
Weight	15 kg, including 5m. cable.
Cable	Length 5m, 3,5m available for installation, Cable Base 9B-1CD-11W, Art. no. 1221300.
Protection	IP 69K according IEC 60529, 1,4 Bar overpressure filled with dry nitrogen, long term stability 0,1%/year.
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; 24V, 12W.
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.

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.
8 = Grey	Serial 2 RS-232 RX	A (non-inv)	4 = Brown	N.C.
9 = Black/Gray	Serial 0V		5 = Shielding	N.C.

Cut off at wire entry (In Junction box)

Installation	See installation manual IM0973171

D S 0 5 0 6 9 8 1 E N R 3 1

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