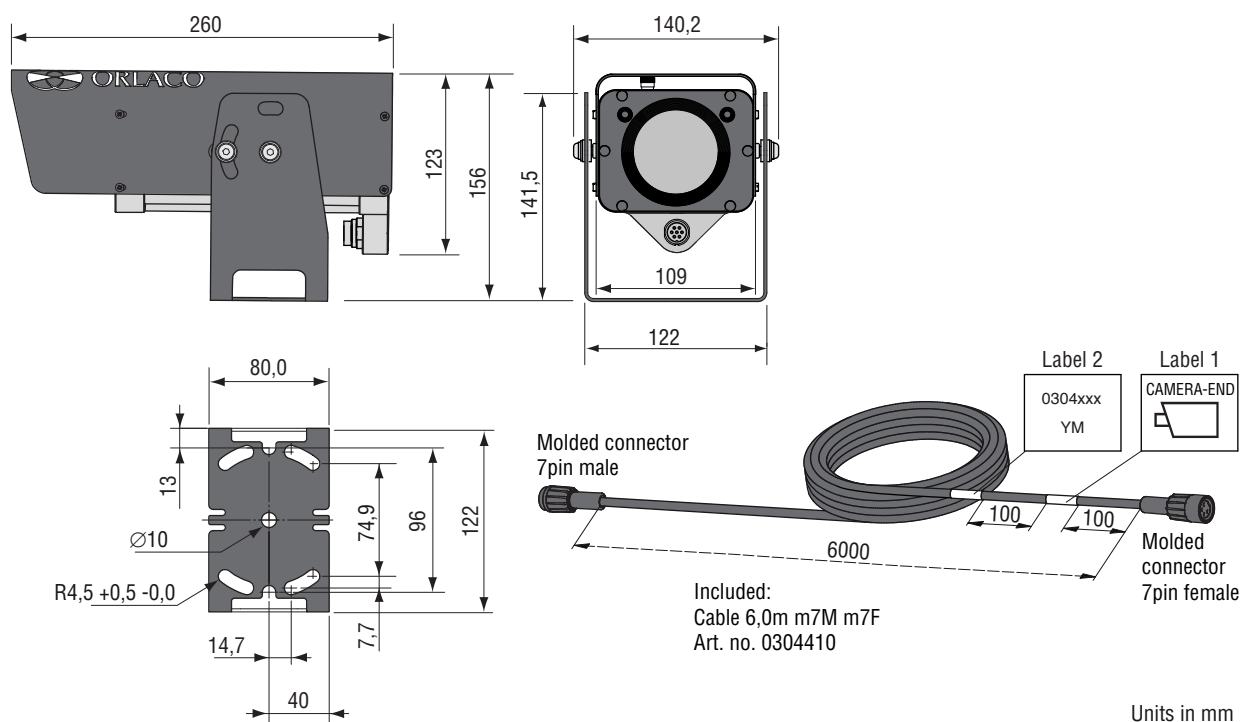**WIEGEL**
Transport Equipment | Stokvis Group

Camera AFZ PAL Serial
Article no. 0103531
Camera AFZ PAL Serial RS485
Article no. 0113531
2016 • DS0961331 A 01

Vision is our mission®

Product Data

Dimensions

260

140,2

123
156

141,5

109

122

80,0

13

∅10

R4,5 +0,5 -0,0

14,7

40

74,9

96

122

7,7

Molded connector
7pin male

Label 2

0304xxx
YM

Label 1

CAMERA-END

100   100

6000

Molded
connector
7pin female

Included:
Cable 6,0m m7M m7F
Art. no. 0304410

Units in mm

Camera AFZ PAL Serial
Camera AFZ PAL Serial RS485

Description

Article number	**0103531 Camera AFZ PAL Serial RS232**
Article number	**0113531 Camera AFZ PAL Serial RS485**

Sensor

CCD sensor	1/4" type Super HAD CCD II.
Effective pixels	± 570000 pixels (PAL).
Hor. resolution	670 TV lines.
Lens	40x optical zoom f = 3.06 mm to 122.4 mm (WIDE), F1.6 to F4.6 (TELE), 12x digital.
Lens speed	From wide optical to tele optical 3,5 sec.
Angle of view (H)	48° (wide) 1,6° (tele).
Min. working distance	10 mm (WIDE end), 1500 mm (TELE end).
Minimum illumination	0,6lux (1/60sec), 0,04lux (1/3sec). 0 lux mode.
S/N ratio	50 dB or more.

Electrical

Power input	Cable between camera and power supply < 50 m 12-24V/DC, > 50 m 18-24V/DC.
Power consumption	Temperature <0°C (Heating on): 7,2 W & >0°C (Heating off): 3,6 W.
Communication	Communication via serial interface through pin nr. 5 and 6 of the 7 poles connector, Visca-, Pelco-D protocol (RS232 or RS485) 9,6 Kbps, 8 bit, 1 stop bit, no parity.
Presets	128 presets Visca and 255 presets Pelco-D.
Cable	Included: Cable 6,0m m7M m7F; Art. no. 0304410.

Mechanical

Construction	Stainless steel QS304, mounting parts and sun cover, anodised aluminium housing, suitable for mobile applications with shocks and vibrations. Corrosion proof housing according to IEC 60068-2-52 salt mist, cyclic.
Ingress protection	IP 68 according to IEC 60529 (25 m under water), dry-nitrogen filled, 1,4 Bar overpressure.
Bracket	Standard Alu bracket, including bolts, nuts and washers. Suitable for mounting overhead and standing.
Operating temperature	-40°C to +85°C.
Glass	Chemically hardened lens glass, 7x stronger than ordinary glass, scratchproof surface, following "VII Flachgläser"(German std.).
Weight	2,6 kg.

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).

Serial commands	See Orlaco Visca protocol manual; **IM0973300.**
Installation	See Installation Manual; **IM0973112.**

Electrical connections
Solder side of 7p male socket
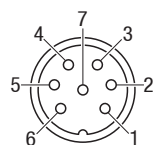
Solder side
7P Male socket

		RS232	RS485
1 =	Coax core	(Video signal)	(Video signal)
2 =	Coax shielding	(Video GND)	(Video GND)
3 =	Red	(12...24V/DC)	(12...24V/DC)
4 =	Black	(0V)	(0V)
5 =	Orange	(Serial TX)	B (inv.)
6 =	Yellow	(Serial RX)	A (non-inv.)
7 =	Grey	(Not connected)	(Not connected)
	Shielding	GND	GND

WIEGEL
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ORLACO
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