Vision is our mission®

Product Data

Dimensions

Label 2

0304410
YM

Label 1

CAMERA-END

Molded connector
7pin male

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

Molded connector
7pin female

6000   100   100

Units in mm

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ORLACO
Specialised Camera Solutions

ISO/TS 16949
ISO 9001
ISO 14001

CE
E4
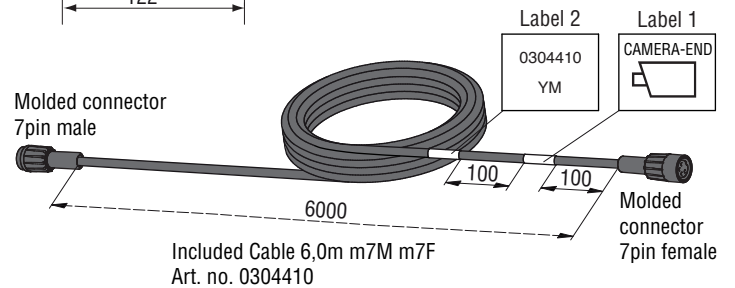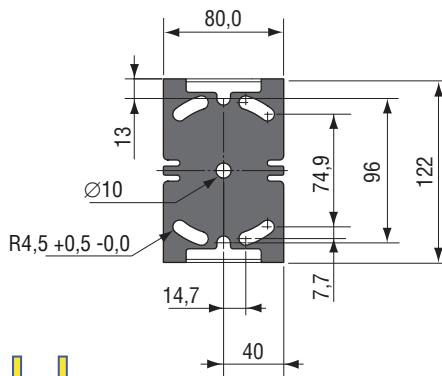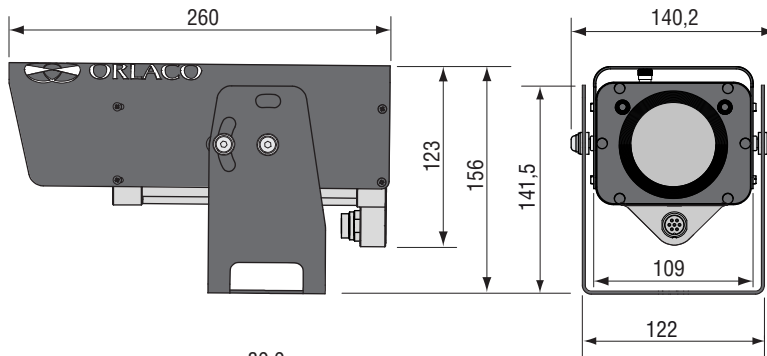
Camera AFZ PAL Serial
Camera AFZ PAL Serial RS485

Description

Article number	**0103530 Camera AFZ PAL Serial RS232**
Article number	**0113530 Camera AFZ PAL Serial RS485**

Sensor

CCD sensor	1/4" type EX view HAD CCD.
TV system	PAL, CVBS, Output: 1 Vtt composite video into 75 ohm.
Picture elements	752 (H) x 582 (V) > 440000 pixels.
Resolution	550 TV lines (WIDE end).
Lens	F = 3,4 mm (WIDE) to122,4 mm (TELE). 432x zoom ratio; 36x optical, 12x digital.
Lens speed	From wide optical to tele optical 4,0 sec. (F1,6 to F=4,5 zoom movement speed).
Angle of view (H)	48° (wide) 1,7° (tele).
Min. working distance	320 mm (WIDE end), 1500 mm (TELE end).
Min. illumination	1,4 Lux (1/50 sec. PAL Typical) 0,1 Lux (1/3 sec. PAL Typical).
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; **IM0973110.**

Electrical connections

	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
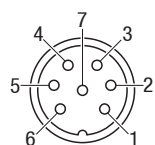
Solder side
7P Male socket

D S 0 1 0 3 5 3 0 E N R 3 3

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