



AF-Zoomcam PAL Serial



Article no 0103530

Orlaco Products - PO Box 193 - 3770 AD Barneveld - The Netherlands
Phone: +31 (0) 342 404 555 - Fax: +31 (0) 342 404 556 - E-mail: info@orlaco.nl - Internet: www.orlaco.com

Technical Specifications

AF-Zoomcam PAL Serial

Article number

CCD sensor 1/4" type EX view HAD CCD Picture elements 752 (H) x 582 (V) > 440000 pixels

Resolution 460 TVI

Lens f = 4,1 mm (wide) to 73,8 mm (tele). 216x zoom ratio; 18x optical zoom, 12x digital Lens speed from wide optical to tele (optical) 2,1 sec. (f=1,4 to f=3,0 zoom movement speed)

Angle of view (H) 48° (wide) 2,8° (tele)

Min. working distance 35 mm (wide), 800 mm (tele end)

0,7 Lux (f1,4 1/50 sec. PAL) 0,1 Lux (f1,4 1/3 sec. PAL) Min. illumination

S/N ratio

PAL, CVBS, Output: 1 Vtt composite video into 75 ohm TV system

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

Power input Cable between camera and power supply < 50 m 12-24V/DC, > 50 m 18-24V/DC

Power consumption Temperature <0°C (demister on): 7,2 W & >0°C (demister off): 3,6 W

Communication Communication via serial interface through pin nr. 5 and 6 & the 7 poles connector, visca protocol (TTL/CMOS)

9,6 Kbps, 38,4Kbps, Stop bit, ½ bit.

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

Bracket overhead

Protection Committee)

Serial commands

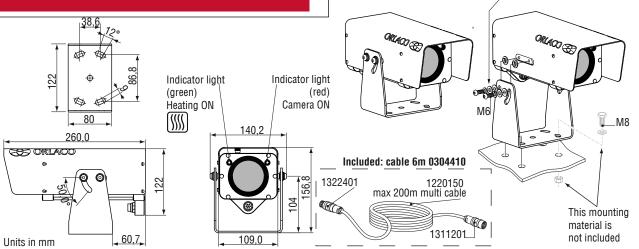
Zoom tele far 8x 01 04 07 27 FF Zoom tele std. 8x 01 04 07 02 FF Zoom wide far 8x 01 04 07 37 FF Zoom stop 8x 0 1 04 07 00 FF Focus near std. 8x 01 04 08 03 FF Focus far std. 8x 01 04 08 02 FF Focus stop 8x 01 04 08 00 FF Autofocus on 8x 01 04 38 02 FF Autofocus off 8x 01 04 38 03 FF 8x 01 04 33 03 FF 8x 01 04 01 02 FF Backlight on 8x 01 04 33 02 FF Backlight off N-lux on 0-lux off 8x 01 04 01 03 FF

Installation

Camera connector 7p male

1 = Coax core	(Video signal)	Solder side
2 = Coax shielding (Video GND)		
3 = Red	(1224V/DC)	7 2
4 = Black	(0V)	4
5 = Orange	(Serial TX)	5 0 0 3
6 = Yellow	(Serial RX)	((0,00))
7 = Grey	(Not connected)	6××1
Shielding	GND	0 🔾 1

Dimensions



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. All products are manufactured in accordance with the ISO 9001 quality management system, ISO 14001 environmental management systems and all Ex products with the IECEx scheme and ATEX directives



FCC compliance statement:

The camera comes under section for commodity codes for electronic equipment. This is known as "Harmonize code: 8525.30.9060" and the importer can check off Block 2 on FCC form which states: "An FCC grant of equipment authorization and an FCC ID are not required, but the equipment complies with FCC technical requirements."

Caution: Any changes or modifications in the construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Camera/ monitor sets are visual aids and objects visible in camera/ monitor systems are smaller or bigger than they appear on screen.

Always use the ISOLATION MANCHETS. Use always Loctite 8156 to prevent corrosion.

(Mounting material included)

