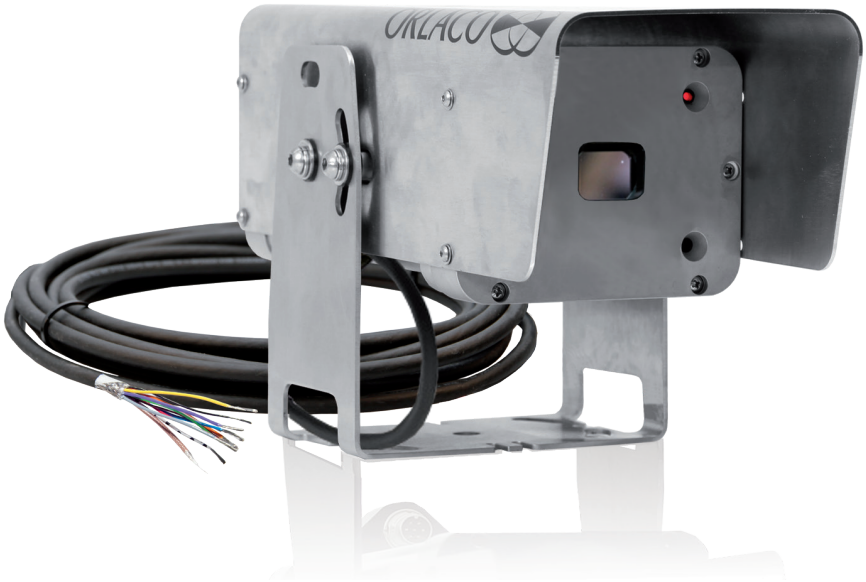
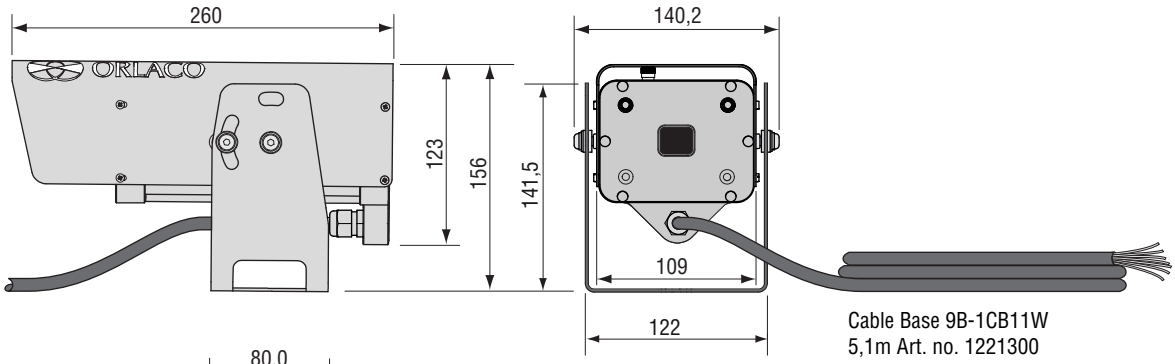
Vision is our mission®

Camera TIC SSt
Article no. 0103740
Camera TIC SSt RS485
Article no. 0113740
2015 • DS0103740 R2-2

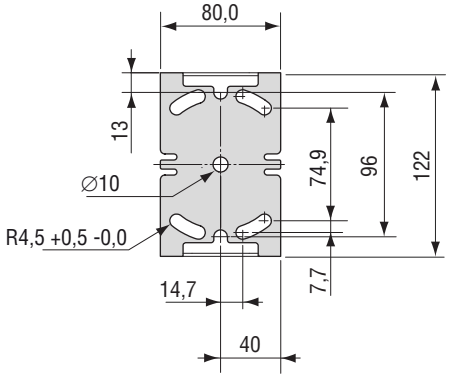
Product Data



Dimensions



Cable Base 9B-1CB11W
5,1m Art. no. 1221300



Units in mm

TECHNICAL DATA

Camera TIC SSt

Camera TIC SSt RS485

Description

Article number **0103740 Camera TIC SSt RS232**
Article number **0113740 Camera TIC SSt RS485**

Special Features

Field switchable. DDE (Dynamic Detail Enhancement). Temperature Measurement/spot meter. Temperature Isotherms (digit and bar). FFC (Flat Field Correction). 4 x zoom. Digital P & T. Pal/NTSC. 5 Color Palettes (LUTs).

Sensor

Sensor	Thermal Imager Uncooled VOx Microbolometer.
Pixels	FPA Format 324 x 256 (25-micron pixel size).
Frame Rates	7,5 Hz (NTSC); 8,3 Hz (PAL).
Sensitivity	<75 mk, <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, 19mm (24° Detection 450m).
Color	5 Color Palettes (LUTs).

Electrical

Power input	12..30V/DC (24V/Dc = preferred voltage)
Power consumption	Heating off: 3,5W @ 24V/Dc, heating on: 7,1W @ 24V/Dc.
Heater	2.4W, Puls Width Modulated, activated from <+15°C
Transient protection	Camera may be powered directly from 12v or 24v battery without additional electrical protection since camera has an integrated circuit that protects the camera against over- and undervoltage, spikes, ripples and loaddumps.
Inrush current	With and without heating: 0,7A at 24V, t=2ms.
Electrical Protection	>33V..<80V overvoltageprotection, <12V undervoltageprotection, protected against loaddumps, spikes and surges, reverse polarity on all wiring.
Power Cable	Hard wired Art. no. 1221300 5,1m Cable Base 9B-1CB11W.
Communication	RS232 and RS485, High Speed Camera Communication with Orlaco monitor.
Presets	128 presets Visca and 255 presets Pelco-D.

Mechanical

Construction	Housing, mounting parts and sun cover; stainless steel QS304,;
Operating temperature	Range -40°C to +80°C.
Temperature shock	(5 degree per min).
Vibration	(4,3gs three axis, 8hrs each).
Shock	(200g shock pulse w/ 11msec saw tooth).
Bracket	Stainless steel bracket, including bolts, nuts and washers. Suitable for mounting overhead and standing.
Protection	Protection IP 69K according to IEC 60529. drynitrogen filled, 1,4 Bar overpressure.
Weight	5,1 Kg.

Certification

Approvals	EMC certified FCC/CE Class B. ROHS, REACH and WEEE Compliant.
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; **IM0973120.**

Electrical connections. Cable base Art. no. 1221300

	RS232	RS485
1 = Red/White	P/T power out	P/T power out
2 = Black/White	P/T power 0V	P/T power 0V
3 = Red	Camera power, 12...30V/DC	Camera power, 12...30V/DC
4 = Black	Camera 0V	Camera 0V
5 = Coax core	Video	Video
6 = Coax shielding	Video GND	Video GND
7 = Green	Serial 1 RS-232 TX	B (inv)
8 = Grey	Serial 2 RS-232 RX	A (non-inv)
9 = Black/Grey	Serial 0V	Serial 0V

1 = Red/Blue	12V out
2 = Black/Blue	0V
3 = Blue	Camera ok in
4 = Brown	P/T ok in

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, where applicable.
All products are manufactured in accordance with the ISO 9001 quality management system, ISO/TS 16949 quality automotive, ISO 14001 environmental management systems and all Ex products with the IECEx scheme and ATEX directives, where applicable.

DS0103740ENR21

ORLACO
Specialised Camera Solutions

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