



Dual Sensor Crossfading Camera

type number 01208



Main Features:

- Joins the advantages of both, WDR CMOS color camera and infrared thermal imaging in one small ruggedized enclosure
- Equipped with our latest full digital crossfader technology
- Stepless overlay of the pictures from both sensors
- Two cleaning nozzles
- Integrated glass heater (option) for the visual sight sensor
- Completely controlled via CAN-Bus
- Integrated galvanically isolated power supply
- Thermal imager with full video speed
- ITAR-Free

Options:

- Video standard NTSC (60 Hz)
- Thermal imager Resolution 800 x 600 active pixels
- multiple lenses for another angles of view

Optional accessories:

- Various displays and video distribution units with integrated camera remote control
- Mounting adapters and wiring harnesses for various vehicles

Technical Data:

Color camera:	
Sensor:	1/3" SONY Exmor CMOS 1.3 Megapixel
Active pixels:	1305 x 1049 (H x V)
Dynamic range with WDR mode:	120 dB
Horizontal resolution:	more than 800 TVL
Exposure control:	Shutter iris Automatic gain control Motorized, remote controlled iris
Sensitivity:	Color: 0.08 Lux (50 IRE) at Sens up „OFF“
Standard lens:	f = 3.4 mm; F = 1.6 -16 C
Angle of view:	matched with thermal imager

Thermal Imager:	
Sensor:	FPA uncooled VOx detector
Active pixels:	640 x 480 (H x V)
Pixel size:	17 µm
Spectral range:	8 - 14 µm
Sensitivity:	≤ 50 mK
Video frame rate:	50 Hz (full speed)
Standard lens:	f = 8.8 mm
Angle of view:	70° H / 53° V ± 5 %
Startup-time:	< 5 s
Adjustable Calibration Time:	1 min - 90 min
Calibration Prewarning:	optional 1 s - 5 s



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Video standard:	PAL (50 Hz)
Video output:	CVBS 1 V PP / 75 Ω
Remote control:	Full remote control and Built-In Test via CAN-Bus
CAN-Bus:	Version 2.0B (SAE J1939) protocol CAN-Open or CAN-CUP
Connector:	VG95234A20A48PN
Power supply:	24 V DC according to VG 96916-5
Power input:	< 25 W
Temperature:	-40 °C to +71 °C (operating)
Dimensions:	183 x 127x 221 (W x H x D) without connector
Weight:	< 3.5 kg
Color:	RAL 6031 bronze green or TBD
EMC / EMI:	VG 95373 (MIL-STD-461G on request)
Protection:	IP 68 (immersion depth up to 4 m)
Shock / Vibration:	MIL-STD-810G

Ask for further technical information!
Functional or interface modifications can be realized on request. Each configuration change causes a new type number.

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