

SOMCAM-2W

Serial WDR Camera 2.0 MP



Sommer Messtechnik SOMCAM-2W Camera is a low light WDR serial color camera which can be attached to any host system that requires a JPEG compressed still camera for embedded imaging applications. It provides color images down to an illumination of 0.0005 Lux. The camera uses a 1/2.7" CMOS color image sensor along with a JPEG compression chip that provides a low powered camera system. The camera has an on-board serial interface (RS-485) that is ideal for direct connection to the Sommer Messtechnik MRL data logger.

Versions

Art	Version
21740	Weatherproof low light WDR serial color camera 2.0 MP, 6 mm lense

Scope of delivery

Name
SOMCAM-2W
Mounting bracket
Data cable

Specifications

Options	Standard	Custom Options
Image Sensor	1/2.7" CMOS	-
Resolution	2 Mega Pixels	-
Image Format	Still JPEG compressed ONLY	-
Image Size	1280x720 (MRL Default)	4:3 images: 1600x1200, 1600x1024 1280x1024, 1280x960, 1280x800, 1024x768, 800x600, 640x480

Options	Standard	Custom Options
		16:9 images: 1920x1080, 1280x720, 1600x900, 1440x810, 1366x768, 1024x576, 960x540, 800x450, 640x360, 480x270
Serial Interface	RS-485 (MRL Default)	TTL/RS232/RS485
Shutter Type	Electronic rolling	-
Baud Rate (Default)	115200 bps (MRL Default)	115200 bps, 57600 bps 38400 bps, 19200 bps, 9600 bps
Focus	Fixed	-
Focusing Range	20 mm to infinity	-
Lens	6 mm	-
Minimum Illumination	0.0005 LUX	-
IR-Cut Filter Switch (Auto Switch)	Yes	-
Supplemental Illumination	4 pcs white light LED arrays for color night images	-
Night Vision	Up to 100 m (330 ft) with light source	-
Power Supply	5-28 V DC, typically 12 V DC	-

Options	Standard	Custom Options
Data Cable	10-m cable with 4 bare wires: - Brown 12 V - White GND - Yellow TX/A - Gray RX/B	-
Protection rating	IP65	-
Power Consumption	typically < 80 mA, max < 400 mA	-
Operating Temp.	-40 ... +85 °C (-40 ... 180 °F)	-
Storage Temp.	-45 ... +90 °C (-58 ... 194 °F)	-
Dimension Ø x D	120x230 mm	-
Weight	ca. 1200 g (2 lb 10.3 oz)	-

