
Smart Camera - pictor M58M-ETH-IRCut

Short description: smart camera, ethernet, 1/3" CCD, 1024x768, mono, 16fps, TI-400MHz, IR cut fil.

Order number: 4-20-323

EAN: 4251692612057



Characteristics

- smart camera for industrial image processing
 - available with monochrome or color sensor
 - more compact design than comparable pictor® M devices
 - cost-effective alternative to devices with SVGA output
 - consistent functional and operating concept, range of functions is compatible with vicosys® vision systems
 - extensive optics and lighting accessories
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Technical data

Sensor Data

Sensor name	Sony ICX204AL
Chroma	Monochrome IR cut filter 400 nm - 700 nm
Sensor format	1/3"
Sensor diagonal	5.95 mm
Sensor technology	Progressive Scan CCD
Readout method	Global Shutter
Resolution total	0.8 MPixel
Number of pixel	1024 x 768 Pixel
Pixel size	4.65 µm x 4.65 µm
Frame rate	16 fps
Shutter (exposure time)	46 µs ... 2 s

Performance Data

Processor	3200 MIPS, 400 MHz Texas Instruments TMS320C64xx
RAM	32 MB SDRAM
Flash EPROM	4 MB Flash EPROM for programs and data 3 MB for users

Prozessinterface

Communication interfaces	1 x Ethernet 100Mbit
Process interface	4 x digital input channel 4 x digital output channel 1 x trigger, RS232 or Key-Pad connection

Software

Parameterization	Operating software vcwin
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General Data

Power requirements	9 V ... 30 V DC via 12-pin Hirose or power supply
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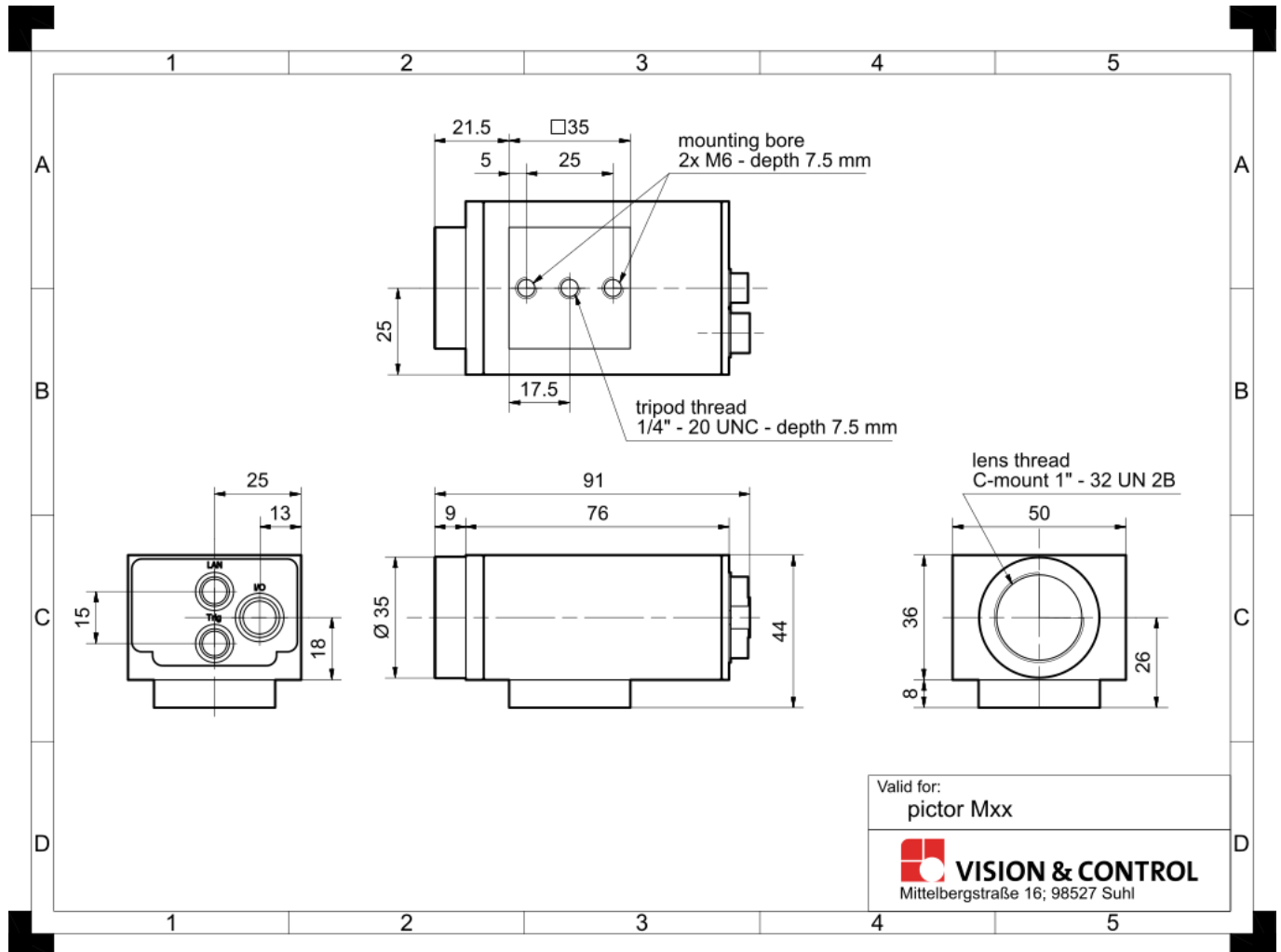
Lens mount	C-Mount
Dimensions	85 mm x 50 mm x 44 mm (without connectors)
Weight	250 g
Degree of protection (IP)	IP50
Safety class	Class III, safety extra low voltage (SELV)
Operating temperature	0 °C ... 50 °C

Accessories for Smart Cameras - pictor M58M-ETH-IRCut

Order number	Title	Description
Ethernet Cables		
4-40-203	Ethernet cable, 6p, 5m	HR10A-7P-6S, plug with socket contacts to RJ45 plug, for pictor M/N
4-40-204	Ethernet cable, 6p, 10m	HR10A-7P-6S, plug with socket contacts to RJ45 plug, for pictor M/N
4-40-206	Ethernet cable, 6p, 20m	HR10A-7P-6S, plug with socket contacts to RJ45 plug, for pictor M/N
PLC-Power Cables		
4-40-223	PLC-power cable, 12p, 5m	HR10A-10P-12S, plug with socket contacts to open cable end, for pictor M/N
4-40-224	PLC-power cable, 12p, 10m	HR10A-10P-12S, plug with socket contacts to open cable end, for pictor M/N
4-40-225	PLC-power cable, 12p, 25m	HR10A-10P-12S, plug with socket contacts to open cable end, for pictor M/N
Power supply units		
4-40-209	Power supply 24V/0.63A	HR10A-10P-12S, plug with socket contacts, length 3m, for pictor M/N
Trigger Cable		
4-40-200	Trigger cable, 6p, 5m	6-pin HIROSE plug with pin contacts to open cable end, for pictor M
4-40-201	Trigger cable, 6p, 10m	6-pin HIROSE plug with pin contacts to open cable end, for pictor M
4-40-202	Trigger cable, 6p, 25m	6-pin HIROSE plug with pin contacts to open cable end, for pictor M
V24 Cable C4 (RS232)		
4-40-181	V24-RS232 cabel, 6p, 5m	6-pin HIROSE plug to 9-pin D-Sub socket, for pictor M16xx/M18xx and Mxx
4-40-182	V24-RS232 cabel, 6p, 10m	6-pin HIROSE plug to 9-pin D-Sub socket, for pictor M16xx/M18xx and Mxx
4-40-183	V24-RS232 cabel, 6p, 25m	6-pin HIROSE plug to 9-pin D-Sub socket, for pictor M16xx/M18xx and Mxx
Operating Devices		

Order number	Title	Description
4-20-207	Key-Pad for pictor M16xx/18xx	Key-Pad incl. connection cable, 5 m, to operate the vcwin monitor menus
Fieldbus Gateways		
3-90-028	Gateway netTAP 50-DP-EN	Modbus TCP slave to PROFIBUS-DP slave, for pictor and vicosys
Power supply		
4-40-219	Power supply 24V-40W-1.7A	for DIN rail mounting, without connection cable, type: MDR-40-24

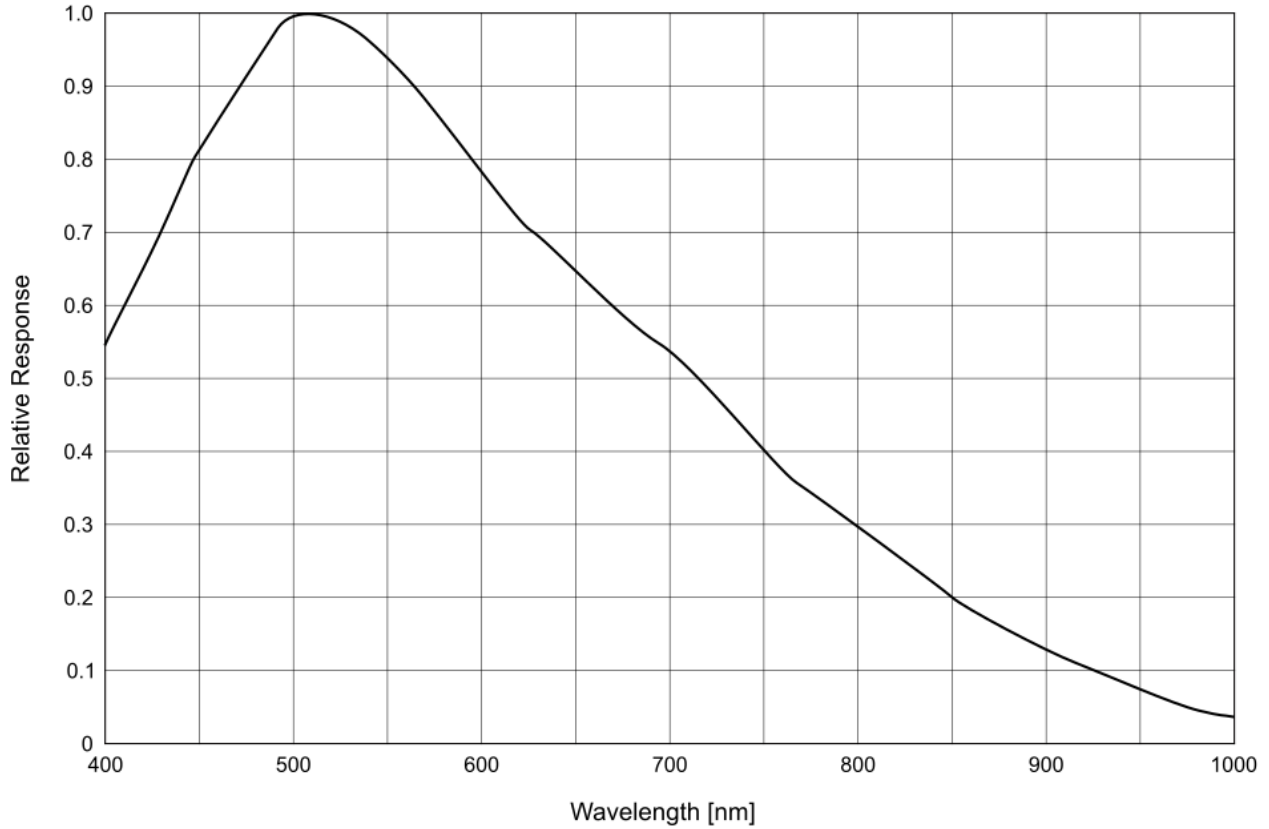
Drawings



Dimensional drawing in mm

Spectral Sensitivity

(excludes lens characteristics and light source characteristics)



Relative Quantum Efficiency of the Imager