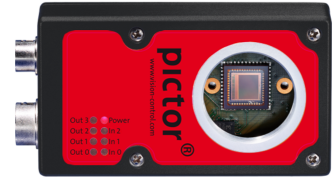

Smart Camera - pictor N403C-ETH

Short description: smart camera, ethernet, 1/4" CMOS, 736x480, color, 120fps, incl. software vcwin

Order number: 3-12-501

EAN: 4251692610015



Characteristics

- smart camera for industrial image processing
 - particularly compact and space-saving design
 - integrated HMI for process visualization
 - consistent functional and operating concept, range of functions is compatible with vicosys[®] vision systems
 - on average 2.5 times faster than comparable pictor[®] M devices
 - extensive optics and lighting accessories
-

Technical data

Sensor Data

Sensor name	e2v EV76C541
Chroma	Colour IR cut filter 400 nm - 700 nm
Sensor format	1/4"
Sensor diagonal	4.01 mm
Sensor technology	CMOS
Readout method	Global Shutter
Resolution total	0.3 MPixel
Number of pixel	752 x 480 Pixel
Pixel size	4.5 µm x 4.5 µm
Frame rate	125 fps
Shutter (exposure time)	min. 34 µs

Performance Data

Processor	Dual-Core ARM®Cortex®-A9 with 866MHz and integrated FPGA
RAM	512 MB DDR-SDRAM
Flash EPROM	16 GB - of which approx. 12 GB free for test programs and images

Prozessinterface

Communication interfaces	1 x Ethernet 100Mbit
Process interface	2 x digitaler Eingangskanal 4 x digitale Ausgangskanal 1 x Trigger-Eingang für Bildaufnahme 1 x Trigger-Ausgang für Blitz

Software

Parameterization	Operating software vcwin
Operation	Process visualization and configuration via integrated webHMI

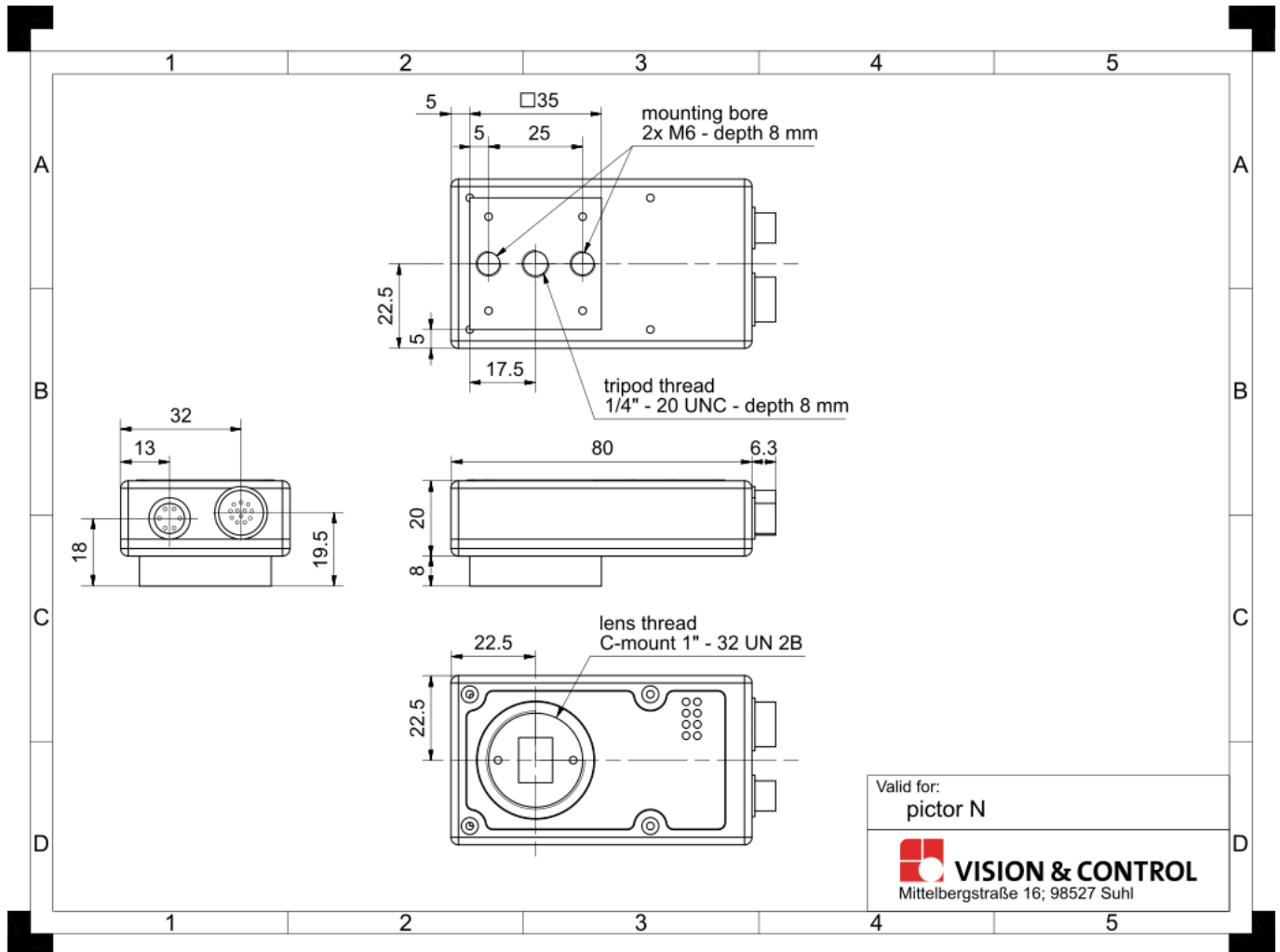
General Data

Power requirements	12 V ... 30 V DC via 12-pin Hirose or power supply
Lens mount	CS-Mount, C-Mount (with adapter)
Dimensions	80 mm x 45 mm x 20 mm (without connectors)
Weight	175 g
Degree of protection (IP)	IP20
Safety class	Class III, safety extra low voltage (SELV)
Operating temperature	0 °C ... 50 °C

Accessories for Smart Cameras - pictor N403C-ETH

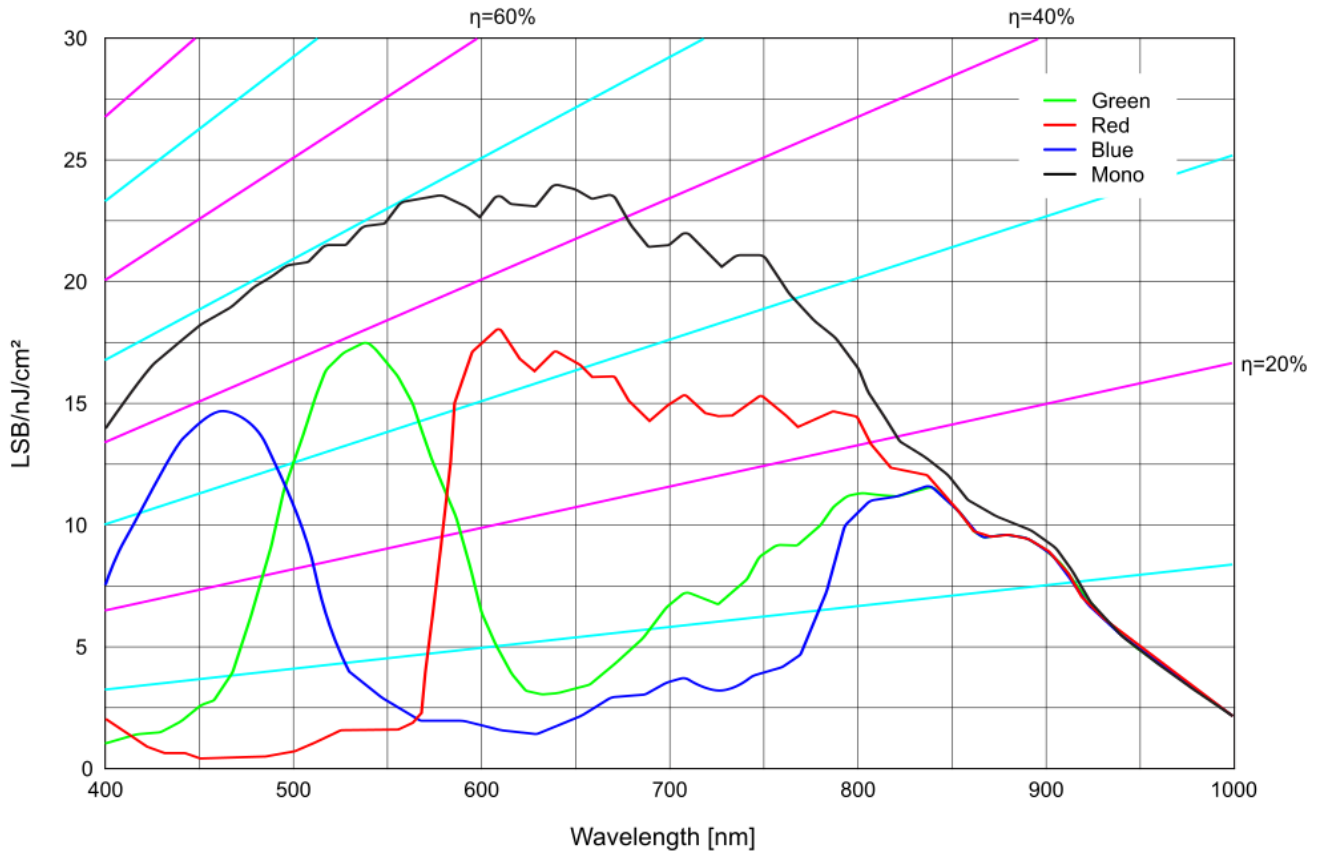
Order number	Title	Description
Ethernet Cables		
4-40-203	Ethernet cable, 6p, 5m	HR10A-7P-6S, plug with socket contacts to RJ45 plug, for pictor M/N
4-40-204	Ethernet cable, 6p, 10m	HR10A-7P-6S, plug with socket contacts to RJ45 plug, for pictor M/N
4-40-206	Ethernet cable, 6p, 20m	HR10A-7P-6S, plug 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
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 Response & Quantum Efficiency (η)
 (excludes lens characteristics and light source characteristics)



Spectral response and quantum efficiency