

pictor[®] N series

Machine vision power directly in the camera housing
compact, robust and fanless



Product Characteristics:

- High-performance system for all applications, **up to 125 fps, up to 3.2 MP**
- Compact design: 80 mm x 45 mm x 20 mm
- Innovative CMOS sensors of the highest precision and performance
- Process interfaces: opto-decoupled digital I/Os, Ethernet, Modbus
- By using a gateway is also PROFIBUS, Profinet, EtherCAT, EtherNet/IP, Ethernet POWERLINK possible.
- Range of functions is compatible with the vicosys[®] vision systems
- Consistent functional and operating concept
- Processor Type: Dual-Core ARM[®] Cortex[®] -A9 with integrated FPGA

Technical Information:

Parameter	pictor [®] N								
	403M-ETH	403C-ETH	413M-ETH	413C-ETH	413NIR-ETH	420M-ETH	420C-ETH	432M-ETH	432C-ETH
Sensor size	1/4"	1/4"	1/1.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"
Resolution (Pixel)	752x480	752x480	1.280x1.024	1.280x1.024	1.280x1.024	1.600x1.200	1.600x1.200	2.048x1.536	2.048x1.536
Pixel size (µm ²)	4.5 x 4.5	4.5 x 4.5	5.3 x 5.3	5.3 x 5.3	5.3 x 5.3	4.5 x 4.5	4.5 x 4.5	3.45 x 3.45	3.45 x 3.45
Megapixel	0.3	0.3	1.3	1.3	1.3	2	2	3.2	3.2
Type	Mono	Colour	Mono	Colour	NIR	Mono	Colour	Mono	Color
Shutter	Global Shutter								
Frame rate	125 fps	125 fps	63 fps	63 fps	60 fps	55 fps	55 fps	88 fps	88 fps
Interfaces	Digital I/O, Ethernet, Modbus								
	PROFIBUS, Profinet, EtherCAT, EtherNet/IP, Ethernet POWERLINK possible by using a gateway								
Operating software	vcwin [®] pro								
Order number	3-12-500	3-12-501	3-12-502	3-12-503	3-12-510	3-12-504	3-12-505	3-12-506	3-12-507

Technical Drawing:

