

# Intelligent Cameras

pictor® T

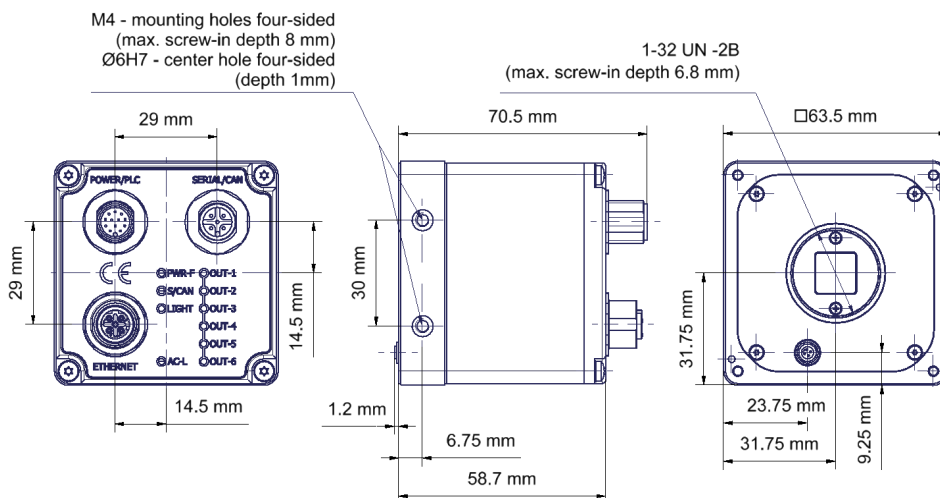
pictor® T3xxx-ETH series

## Product features

- Stand-alone solution for industrial machine vision tasks
- Extensive connectivity through standard interfaces such as Ethernet, RS232 and digital I/Os.
- Robust M12 plug-type connectors for reliable contact
- Flexible drag chain suited cables
- Extensive optics and lighting accessories
- Powerful image-processing software package included
- Graphic programming under Windows based on dialogues



## Engineering drawing



## General technical data

	Attribute	Description
Processor	Processor	TI Sitara AM3517 600Mhz
	RAM	256MB DDR2
Interfaces	ROM	512MB (thereof 200 MB free for testing programs and images)
	Communication	1 x RS232, 1 x Ethernet
	Digital I/Os	4 x Digital In, 6 x Digital Out
General	Connection lighting	M5 connector, 4-pin, max. 10 W
	Operating voltage	18 V bis 30 V DC

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	Attribute	Description
	LED indicator	Status and Power LEDs on the rear of the housing
	Housing	Aluminium alloy
	Mounting	2 x M4 (10 mm depth) on each side with 6H7 centre hole
	Dimensions / Weight	63,5 mm x 63,5 mm x 71,7 mm / 350 g
Environment	Operating temperature	0°C to 55°C
	Degree of protection	IP60
	Temperature (operation)	0°C to +55°C
	Temperature (storage and transport)	-25°C to +60°C
	Humidity (operation)	20% to 80%
	Humidity (storage and transport)	20% to 95%

### Technical data

Name	pictor T303M-ETH	pictor T303C-ETH
Order Number	3-12-329	3-12-330
Sensor	Aptina MT9V034	Aptina MT9V034
Sensor type	Monochrome	Color RGB Bayer pattern
Sensor technologie	Progressive Scan CMOS	Progressive Scan CMOS
Shutter type	Global Shutter TrueSNAP™	Global Shutter TrueSNAP™
Sensor size	1/3" WideVGA 4.51 mm x 2.88 mm	1/3" WideVGA 4.51 mm x 2.88 mm
Resolution	720 x 480	720 x 480
Pixel size	6 µm x 6 µm	6 µm x 6 µm
Frame rate	60 fps	60 fps
Shutter (exposure time)	56 .. 82920 µs, Auto Shutter	56 .. 82920 µs, Auto Shutter

### Operating Software

The devices are configured via ethernet interface or RS232 interface with the vcwin® pro software. The software is included in the scope of delivery. You can also download the latest version from our website.

### Accessories

Order no.	Name	Description
4-40-219	Power supply 24V/40W/1,7A	for pictor

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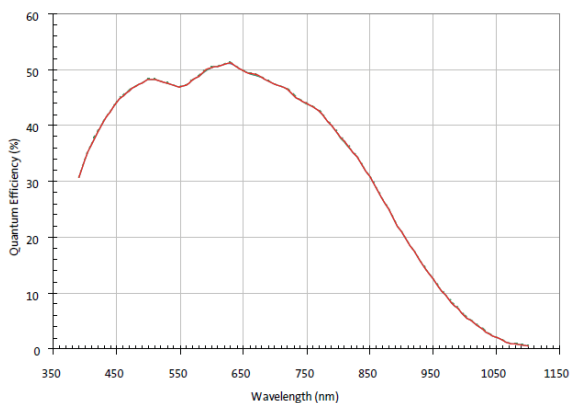
pictor® T3xxx-ETH series

## Scope of delivery

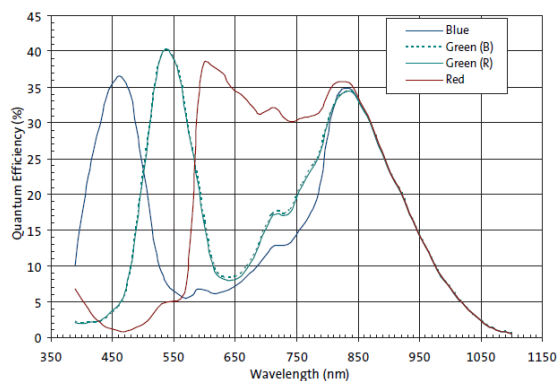
- Device pictor C/T3xxx
- Product DVD with:
  - Software vcwin® smart and vcwin® pro
  - Manual pictor® C300/T300 (PDF format)
  - Programmers manual vcwin® smart und vcwin® pro
- Adhesive label with serial number
- 6h7 centre sleeve (2 x)
- CS/C mount adapter
- Manual pictor® C300/T300

## Spectral sensitivity

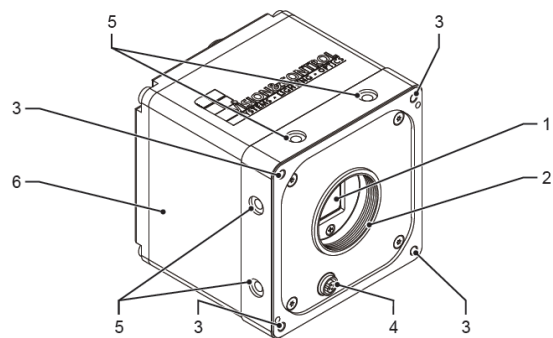
Aptina MT9V034 monochrome



Aptina MT9V034 colour

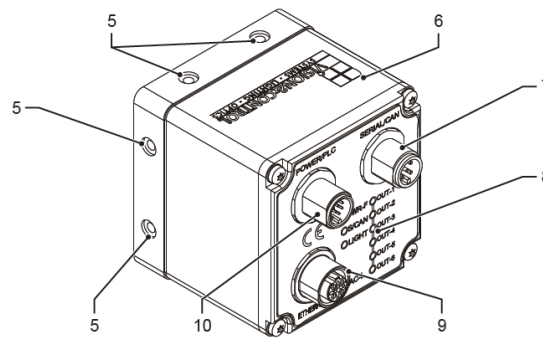


## Details



Front view

- |                             |                                  |
|-----------------------------|----------------------------------|
| 1 Image recorder window     | 4 Lighting interface             |
| 2 CS lens mount             | 5 M4 thread with center hole 6H7 |
| 3 M3 thread for accessories | 6 Device housing                 |



Rear view of ECAN model

- |                                  |                         |
|----------------------------------|-------------------------|
| 5 M4 thread with center hole 6H7 | 8 LED indicators        |
| 6 Device housing                 | 9 Ethernet interface ** |
| 7 CAN- / RS232 interface *       | 10 Power/PLC connection |