

**CinCam CMOS Pico  
- Technical Data -**

**CMOS-1201-Pico**

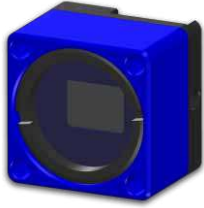
*Standard Series*

<b>SENSOR DATA</b>	
Format:	1/2.5"
Active area (without cover glass):	5.7mm x 4.3mm
Number of pixel:	2560 x 1920 (5MPixel)
Pixel size:	2.2µm x 2.2µm
Spectral response:	
Standard:	absorptive built-in ND filter 400nm - 1150nm
RT:	reflective built-in ND filter 320nm - 1150nm
UV:	phosphor sensor coating <150nm - 1150nm
OM:	sensor without microlenses 240nm - 1150nm
IR:	phosphor sensor coating 1470nm - 1605nm
Beam diameter min / max (recommended):	22µm / 3.2mm
<b>CAMERA FEATURES</b>	
Mount:	Filter-Mount
Bit depth (output):	12Bit
Dynamic:	70dB (1:3150)
Frame rate:	up to 4.6Hz
Exposure time:	200µs-200ms
Interface:	USB 2.0
Shutter:	Rolling
Mode:	cw
Trigger:	-
<b>SPECIFICATIONS</b>	
Mechanical dimensions (W x H x L):	15mmx15mmx11.5mm
Weight:	20g
Electrical requirements:	Power supply via USB
Storage temperature*:	-10°C...+60°C
Operating temperature*:	+0°C...+40°C
Regulations:	CE, RoHS

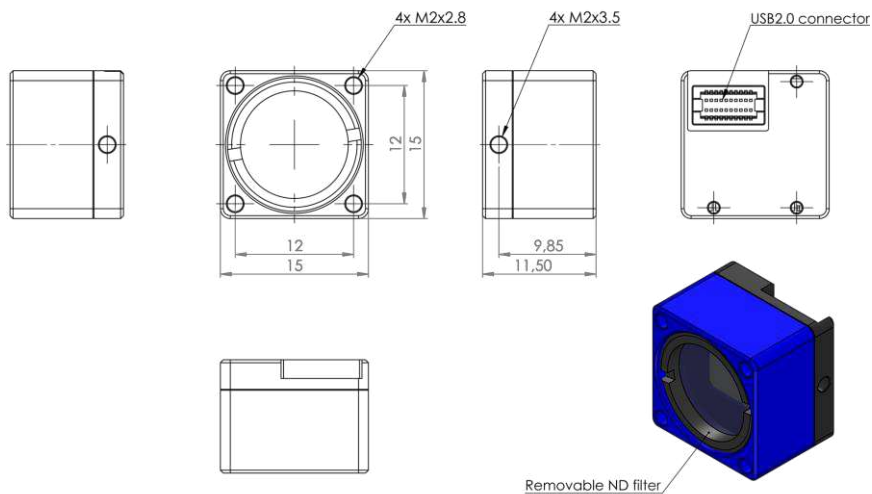
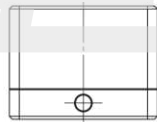
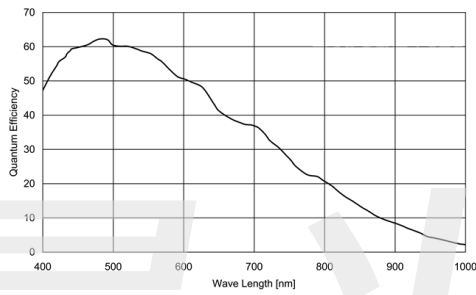
\* Without condensation

Design and specification of the described product(s) are subject to change without notice.

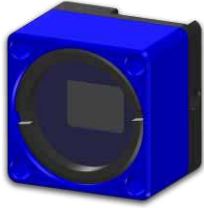
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**CinCam CMOS Pico**  
**- Sensor Response -**  
**- Dimensions -**



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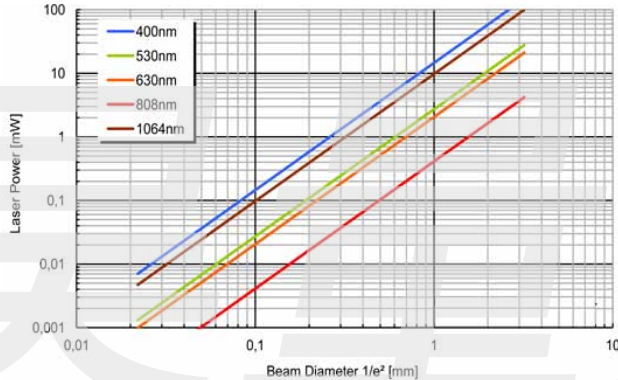


## CinCam CMOS Pico - Operational Range -

Maximum CW power for saturation limit

Maximum PULSE energy for saturation limit  
(single pulse during the exposure time)

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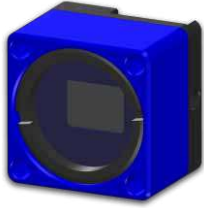


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## CinCam CMOS Pico - Operational Range -

### Saturation limit assumes:

<b>Saturation level:</b>	90%
Built-in ND-Filter:	OD3.0
Exposure time:	100µs (lowest value)
Gain:	1 (lowest value)
Maximum beam power:	<1W

### A higher power level is possible with additional ND filter:

<b>Optical density</b>	<b>Higher limit</b>
OD 1.0	10 x Saturation limit
OD 2.0	100 x Saturation limit
OD 3.0	1000 x Saturation limit
OD 4.0	10000 x Saturation limit

### By longer exposure times a lower power level is apply:

<b>Exposure time</b>	<b>Lower limit</b>	
100µs	See chart for cw saturation limit	
1ms	0.1 x Saturation limit	
10ms	0.01 x Saturation limit	Only for cw laser!
100ms	0.001 x Saturation limit	
1000ms	0.0001 x Saturation limit	