Allied Vision



EoSens CoaXPress-6

EoSens4.0MCX6-CM

General

Model	EoSens4.0MCX6-CM
Product code	F006019
Product series	EoSens CoaXPress-6
Status	Discontinued

Sensor

Sensor type	Area scan
Chroma	Mono
Spectrum	Visible
Spectral range	400 nm to 1000 nm
Resolution	2,336 × 1,728 (4.00 MP)
Sensor model	Alexima AM41
Sensor architecture (material)	cmos
Shutter type(s)	Global shutter (GS)
Sensor size	16.35 × 12.1 mm (20.34 mm, Type 4/3)
Pixel size	7.00 µm × 7.00 µm

Pixel formats

Sensor bit depth	8-bit, 10-bit
Monochrome pixel formats	mono8, mono10

Timing and gain

Max. frame rate	563 fps
Max. frame rate ROI modes	2336 x 1920 | 563 fps, 1920 x 1080 | 900 fps, 1024 x 768 | 1264 fps, 640 x 480 | 2020 fps, 128 x 128 | 7492 fps, x | 225000 fps,
Exposure time	1 µs to 1 s
Gain	0.0 dB to 20.0 dB

I/Os and power

Non-isolated lines	0 x LVDS input, 0 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 0 x Open drain output,
Specific non-isolated lines	0 x RS232 input, 0 x RS232 output, 0 x RS422 input, 0 x RS422 output,
Opto-isolated lines	0 x Optical isolated input, 0 x Optical isolated input,
I/O connector	12-pin Hirose HR10A-10P-12S
Power supply	12 to 24VDC, Power over CoaXPress
Power consumption	External: 10 W (typical)

Mechanical properties

Body dimensions (L x W x H in mm)	60 × 80 × 80
IP class	IP30
Lens mount(s)	C-Mount
Weight	500 g

Interfaces

Digital interface	cxp-6 with 4 connections
Interface connector	(Din1.0/2.3)
Vision standard	CoaXPress 1.0

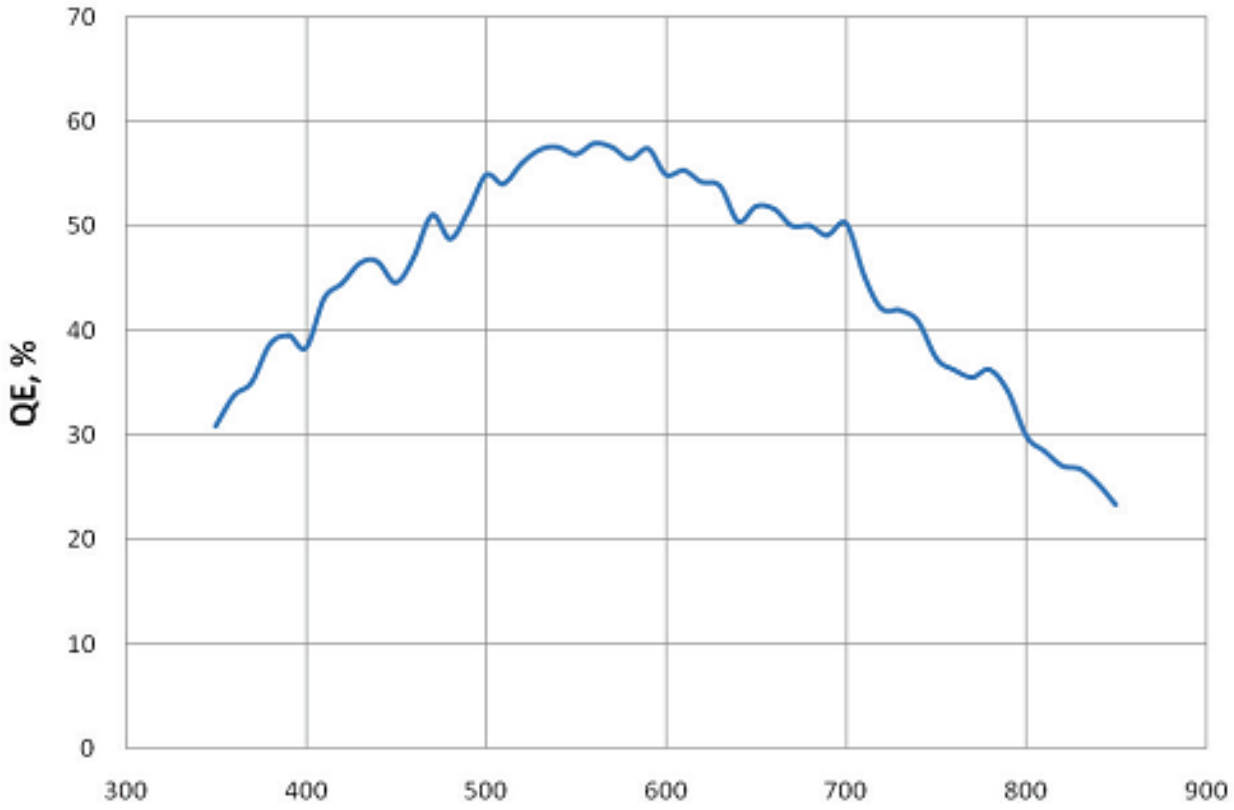
FW features - image control

Exposure modes	external
Gain modes	analog
White balance modes	true
Image control features	roi, mirror-image

FW features - camera control

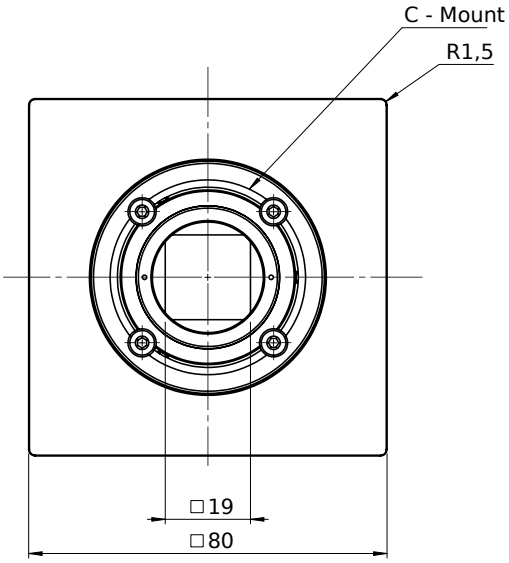
Trigger modes/sync	external, trigger-over-cxp

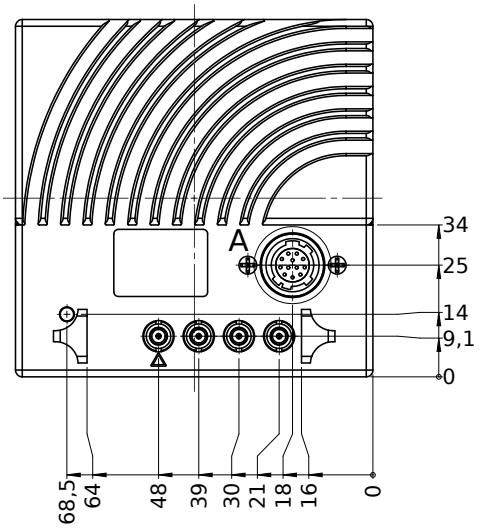
Quantum Efficiency

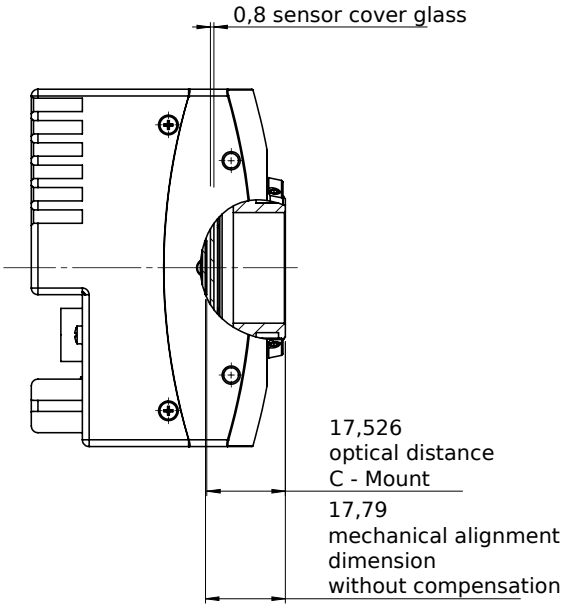


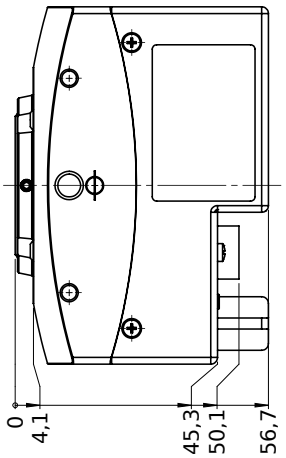
Allied Vision

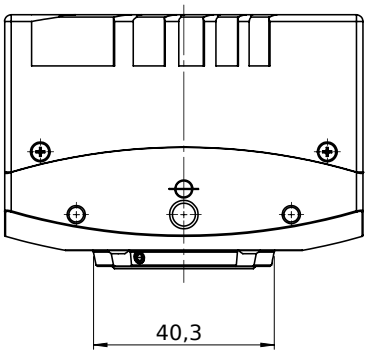
Technical Drawing

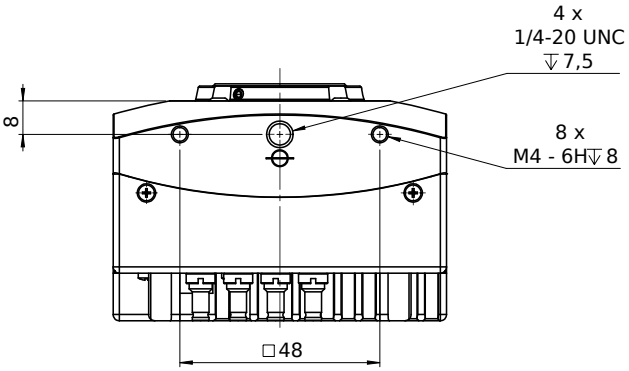


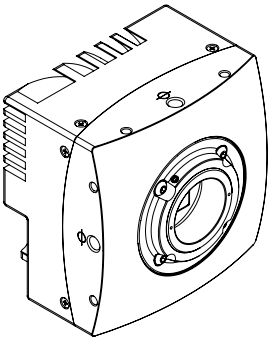


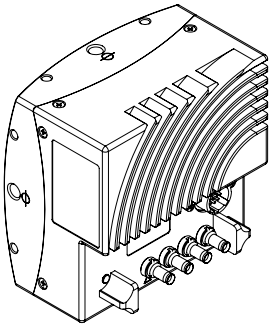




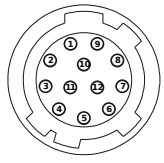








I/O pin assignment



Pin	Signal	Pin	Signal
1 + 12	GND	6	IN0
2 + 11	VCC (12- 24V)	7	IO_{GND}
3	IO_{GND}	8	OUT1
4	OUT0	9	IO_{GND}
5	IO_{GND}	10	IN1