



UI-5250FA-C-HQ (AB02321)

Discontinued
The model has been discontinued.

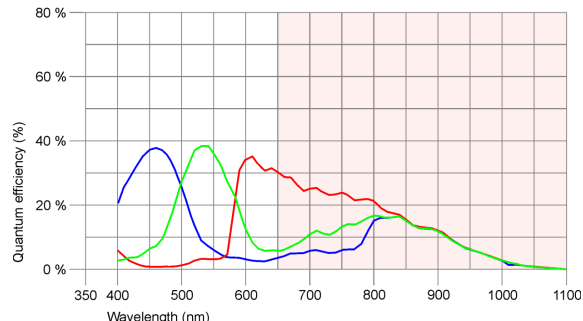


uEye industrial cameras now also work with IDS peak! We recommend the Software Development Kit for the implementation of new projects. [Learn about the process here](#) and [switch now](#). Please note: The technical data given here was measured using the IDS Software Suite.

Specification

Sensor

Sensor type	CMOS Color
Shutter	Global Shutter / Rolling shutter / Global Start Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	1.9 MP
Resolution	1.92 Mpix
Resolution (h x v)	1600 x 1200 Pixel
Aspect ratio	4:3
ADC	10 bit
Color depth (camera)	12 bit
Optical sensor class	1/1.8"
Optical Size	7.200 mm x 5.400 mm
Optical sensor diagonal	9 mm (1/1.78")
Pixel size	4.5 µm
Manufacturer	e2v
Sensor Model	EV76C570ACT
Gain (master/RGB)	4x/4x
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	16 / 4
AOI image height / step width	4 / 2
AOI position grid (horizontal/vertical)	2 / 2
Binning horizontal	same frame rate
Binning vertical	same frame rate
Binning method	M/C automatic
Binning factor	2
Subsampling horizontal	-
Subsampling vertical	-
Subsampling method	-
Subsampling factor	-



Subject to technical modifications (2025-02-14)



Model

Pixel clock range	10 MHz - 112 MHz
Frame rate freerun mode	52
Frame rate trigger (continuous)	52
Frame rate trigger (maximum)	52
Exposure time (minimum - maximum)	0.020 ms - 1000 ms
Long exposure (maximum)	10000 ms
Power consumption	1.7 W - 2.4 W
Image memory	128 MB
Special features	IDS line scan mode, Scaler, Sequencer, Log mode, Sensor hot pixel correction, Fine exposure, Sensor source gain, Multi-AOI

Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing.

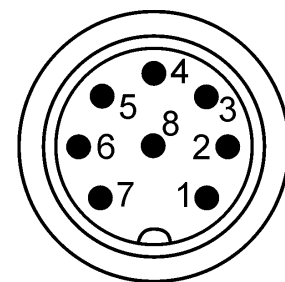
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	0 % - 100 %

Connectors

Interface connector	GigE M12, screwable
I/O connector	8-pin Binder connector (Binder series 712: 09-0427-020-08)
Power supply	12 V - 24 V or PoE

Pin assignment I/O connector

1	Trigger input with optocoupler (+)
2	Input power supply (VCC) 12-24 V DC
3	General Purpose I/O (GPIO) 1
4	Ground (GND)
5	Flash output with optocoupler (+)
6	Flash output with optocoupler (-)
7	Trigger input with optocoupler (-)
8	General Purpose I/O (GPIO) 2



Camera rear view

Design

Lens Mount	C-Mount
IP code	IP65/67
Dimensions H/W/L	41.0 mm x 53.0 mm x 42.7 mm
Mass	173 g