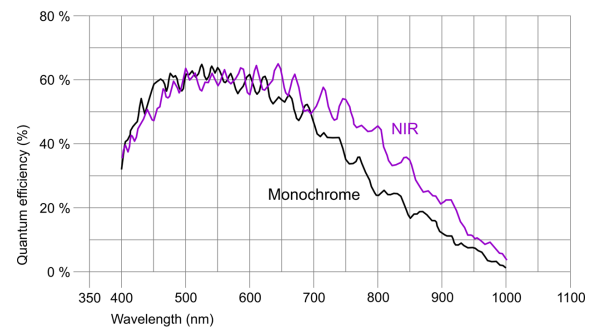




Specification

Sensor

Sensor type	CMOS Mono
Shutter	Global Shutter
Sensor characteristic	Linear with knee points
Readout mode	Progressive scan
Pixel Class	4 MP
Resolution	4.19 Mpix
Resolution (h x v)	2048 x 2048 Pixel
Aspect ratio	1:1
ADC	12 bit
Color depth (camera)	12 bit
Sensor Size	1"
Optical Size	11.264 mm x 11.264 mm
Optical sensor diagonal	15.93 mm (1/1")
Pixel size	5.5 µm
Manufacturer	CMOSIS
Sensor Model	CMV4000-3E12M1PP
Gain (master/RGB)	4x/-
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	16 / 4
AOI image height / step width	48 / 2
AOI position grid (horizontal/vertical)	2 / 2
Binning horizontal	-
Binning vertical	-
Binning method	-
Binning factor	-
Subsampling horizontal	same frame rate
Subsampling vertical	same frame rate
Subsampling method	M/C automatic
Subsampling factor	2, 4, 6, 8



UI-3370CP-NIR-GL Rev.2

Model

Pixel clock range	38 MHz - 320 MHz
Frame rate freerun mode	75.3 fps
Frame rate trigger	75.3 fps
Exposure time (minimum - maximum)	0.041 ms - 500 ms
Power consumption	1.5 W - 2.7 W
Special features	Overlap trigger, Dual exposure, Sensor source gain, Multi-AOI

Ambient conditions

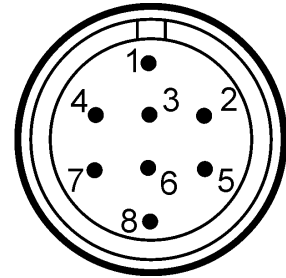
Ambient temperature	0 °C - 40 °C / 32 °F - 104 °F
Storage temperature	-20 °C - 60 °C / -4 °F - 140 °F
Relative humidity	20 % - 80 %

Connectors

Interface connector	USB 3.0 micro-B, screwable
I/O connector	8-pin Hirose connector (HR25-7TR-8PA(73))
Power supply	USB cable

Pin assignment I/O connector

1	Ground (GND)
2	Flash output with optocoupler (-)
3	General Purpose I/O (GPIO) 1
4	Trigger input with optocoupler (-)
5	Flash output with optocoupler (+)
6	General Purpose I/O (GPIO) 2
7	Trigger input with optocoupler (+)
8	Output supply voltage, 5 V (100 mA)



Design

Lens Mount	C-Mount
IP code	IP30
Dimensions H/W/L	29.0 mm x 29.0 mm x 29.0 mm
Mass	52 g

