UI-6251SE-C-GL Rev.2 (AB00004)

Discontinued
The model has been discontinued.

Specification

Sensor

Sensor type	CCD Color
Shutter	Global 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	12 bit
Color depth (camera)	12 bit
Optical sensor class	1/1.8""
Optical Size	7.040 mm x 5.280 mm
Optical sensor diagonal	8.8 mm (1/1.82")
Pixel size	4.4 µm
Manufacturer	Sony
Sensor Model	ICX274AQ
Gain (master/RGB)	8.9x/4x
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	320 / 4
AOI image height / step width	240 / 2
AOI position grid (horizontal/vertical)	2 / 2
Binning horizontal	same frame rate
Binning vertical	increased frame rate
Binning method	Mono
Binning factor	2 / 3 / 4
Subsampling horizontal	-
Subsampling vertical	increased frame rate
Subsampling method	Color
Subsampling factor	2, 4

Model

Pixel clock range	5 MHz - 30 MHz
Frame rate freerun mode	12
Frame rate trigger (maximum)	12
Exposure time (minimum - maximum)	0.096 ms - 1572 ms
Power consumption	3 W - 4.4 W
Image memory	60 MB

Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing.
For PCB versions, refer to the separate hints in the respective documentation.

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)	20 % - 80 %

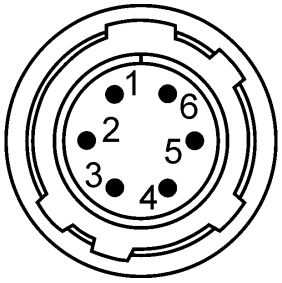
IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com

Connectors

Interface connector	GigE RJ45, screwable
I/O connector	6-pin Hirose connector (HR10A-7R-6PB)
Power supply	12 V - 24 V

Pin assignment I/O connector

1	Ground (GND)
2	Power supply (VCC)
3	Trigger input with optocoupler (-)
4	Trigger input with optocoupler (+)
5	Flash output with optocoupler (+)
6	Flash output with optocoupler (-)



Camera rear view

Design

Lens Mount	C-Mount
IP code	-
Dimensions H/W/L	30.0 mm x 40.0 mm x 52.5 mm
Mass	80 g

IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com