U3-3240LE-NIR-GL (AB00560)

Discontinued
The model has been discontinued.

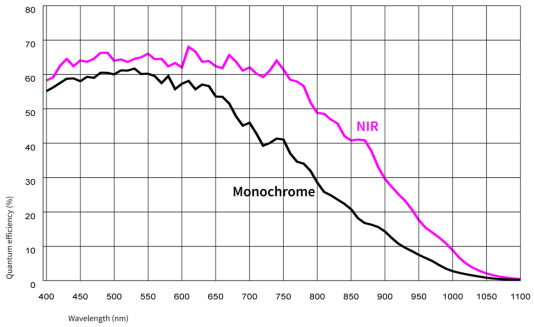




Specification

Sensor

Sensor type	CMOS Mono
Shutter	Global Shutter
Sensor characteristic	Linear
Pixel Class	1.3 MP
Resolution	1.31 Mpix
Resolution (h x v)	1280 x 1024 Pixel
Aspect ratio	5:4
ADC	10 bit
Color depth (camera)	10 bit
Optical sensor class	1/1.8"
Optical Size	6.784 mm x 5.427 mm
Optical sensor diagonal	8.69 mm 1/1.8"
Pixel size	5.3 µm
CRA (Chief Ray Angle)	12 °
Manufacturer	e2v
Sensor Model	EV76C661ABT
Gain (master/RGB)	4x/-
AOI horizontal	-
AOI vertical	-
AOI image width / step width	- / -
AOI image height / step width	- / -
AOI position grid (horizontal/vertical)	- / -
Binning horizontal	-
Binning vertical	-
Binning method	-
Binning factor	-
Decimation (subsampling) horizontal	-
Decimation (subsampling) vertical	-
Decimation (subsampling) method	-



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U3-3240LE-NIR-GL (AB00560)

Model

Frame rate freerun mode	59 fps
Frame rate trigger (maximum)	-
Exposure time (minimum - maximum)	0.009 ms - 2000 ms
Power consumption	1.3 W - 1.5 W
Image memory	-

Ambient conditions

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

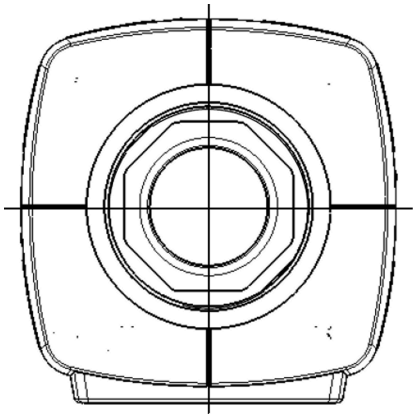
Allowed device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Allowed ambient temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

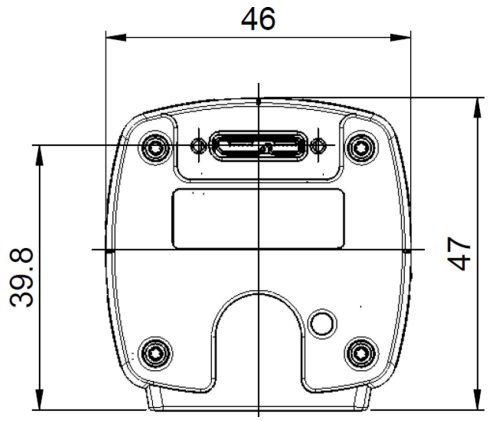
Connectors

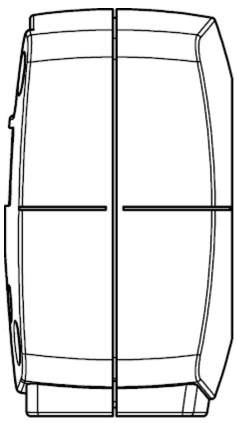
Interface connector	USB 3.0 micro-B, screwable
I/O connector	-
Power supply	USB cable

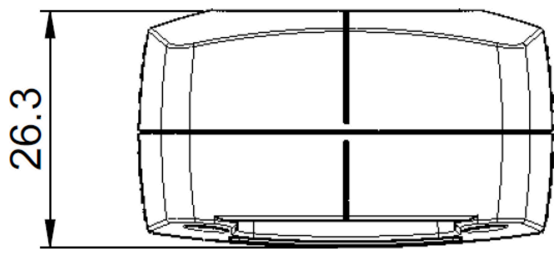
Design

Lens Mount	CS- / C-Mount
IP code	IP30
Dimensions H/W/L	47.0 mm x 46.0 mm x 26.3 mm
Mass	39 g
Housing material	Plastic









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Features

List of on-camera image pre-processing features.
All features of the table are available via our IDS peak software for image pre-processing on the host computer (sensor model dependent).

Image Acquisition	Freerun	✓
	Software trigger	-
	Hardware trigger	-
	Trigger controlled exposure	-
	Denoiser	-
	Long exposure	-
	Line scan	-
Flashing	Flashing	-
	PWM flashing	-
Image Adjustments	Auto exposure	-
	Auto gain	-
	Auto whitebalance	-
	Color correction	-
	Gamma	-
	LUT	-
	Mirror/flip	-
On-board Image Processing	Pixel formats	
	Region of interest	-
	Decimation (FPGA)	-
	Decimation (Sensor)	
	Binning (FPGA)	-
Others	Chunks	-
	Sequencer	-
	Events	-
	Firmware update	-
	1st supported firmware version	1.1.5

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