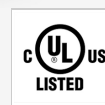


Discontinued  
The model has been discontinued.

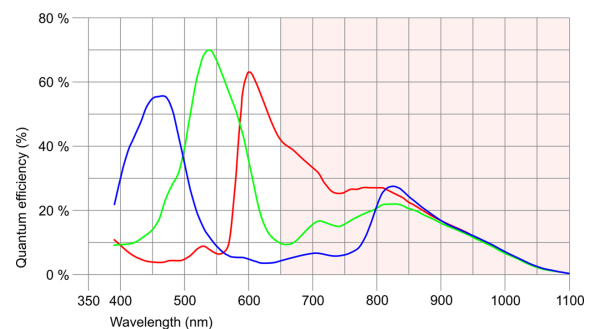


uEye industrial cameras now also work with IDS peak! We recommend the Software Development Kit for the implementation of new projects. [Learn about the process here and switch now.](#)  
Please note: The technical data given here was measured using the IDS Software Suite.

## Specification

### Sensor

Sensor type	CMOS Color
Shutter	Rolling shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	18 MP
Resolution	18.10 Mpix
Resolution (h x v)	4912 x 3684 Pixel
Aspect ratio	4:3
ADC	10 bit
Color depth (camera)	12 bit
Optical sensor class	1/2.3"
Optical Size	6.140 mm x 4.605 mm
Optical sensor diagonal	7.68 mm (1/2.08")
Pixel size	1.25 µm
Manufacturer	Onsemi
Sensor Model	AR1820HSSC00SHEA0
Gain (master/RGB)	16x/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)	8 / 2
Binning horizontal	same frame rate
Binning vertical	increased frame rate
Binning method	Color
Binning factor	2 / 4
Subsampling horizontal	same frame rate
Subsampling vertical	increased frame rate
Subsampling method	Color
Subsampling factor	2, 4



Subject to technical modifications (2024-04-24)

## Model

Pixel clock range	96 MHz - 432 MHz
Frame rate freerun mode	20
Frame rate trigger (maximum)	20
Exposure time (minimum - maximum)	0.013 ms - 999 ms
Long exposure (maximum)	999 ms
Power consumption	0.9 W - 1.3 W

## Ambient conditions

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

Device temperature during operation	0 °C - 50 °C / 32 °F - 122 °F
Device temperature during storage	-20 °C - 80 °C / -4 °F - 176 °F
Humidity (relative, non-condensing)	20 % - 80 %

## Connectors

Interface connector	USB Type-C
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 23.9 mm
Mass	40 g