UI-3270LE-M-GL (AB00905)

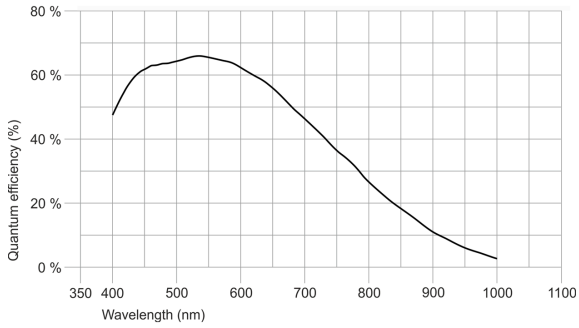
Not recommended for new designs
The camera model is no longer recommended for new application development.



Specification

Sensor

Sensor type	CMOS Mono
Shutter	Global Shutter
Sensor characteristic	Linear
Pixel Class	3 MP
Resolution	3.17 Mpix
Resolution (h x v)	2056 x 1542 Pixel
Aspect ratio	4:3
ADC	12 bit
Color depth (camera)	12 bit
Optical sensor class	1/1.8"
Optical Size	7.093 mm x 5.320 mm
Optical sensor diagonal	8.87 mm 1/1.8"
Pixel size	3.45 µm
CRA (Chief Ray Angle)	0 °
Manufacturer	Sony
Sensor Model	IMX265LLR-C
Gain (master/RGB)	24x/4x
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	256 / 8
AOI image height / step width	2 / 2
AOI position grid (horizontal/vertical)	4 / 2
Binning horizontal	-
Binning vertical	increased frame rate
Binning method	Horizontal: - / Vertical: addition
Binning factor	2
Decimation (subsampling) horizontal	same frame rate
Decimation (subsampling) vertical	increased frame rate
Decimation (subsampling) method	M/C automatic



ABBAS, a.s.
Edisonova 5 · 612 00 Brno · Telefon +420 541/240-956 · Fax +420 541/240-955 · E-Mail info@analyza-obrazu.cz

Model

Pixel clock range	10 MHz - 197 MHz
Frame rate freerun mode	57 fps
Frame rate trigger (continuous)	57 fps
Frame rate trigger (maximum)	57 fps
Exposure time (minimum - maximum)	0.024 ms - 1000 ms
Long exposure (maximum)	30000 ms
Power consumption	0.9 W - 1.7 W
Image memory	-
Special features	Overlap trigger Sensor source gain

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 - 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 24.3 mm
Mass	37 g
Housing material	Plastic

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	-

ABBAS, a.s.
Edisonova 5 · 612 00 Brno · Telefon +420 541/240-956 · Fax +420 541/240-955 · E-Mail info@analyza-obrazu.cz

On-board Image Processing	Pixel formats	
	Region of interest	✓
	Decimation (FPGA)	-
	Decimation (Sensor)	
	Binning (FPGA)	-
Others	Chunks	-
	Sequencer	-
	Firmware update	-
	1st supported firmware version	4.82

ABBAS, a.s.
Edisonova 5 · 612 00 Brno · Telefon +420 541/240-956 · Fax +420 541/240-955 · E-Mail info@analyza-obrazu.cz