

# UI-5240FA-M-GL (AB02427)

Not recommended for new designs

The camera model is no longer recommended for new application development.





















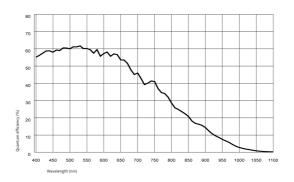


uEye industrial cameras now also work with IDS peak! We recommend the Software Development Kit for the implementation of new projects. <u>Learn about the process here and switch now.</u>
Please note: The technical data given here was measured using the IDS Software Suite.

## Specification

#### Sensor

Shutter Global Shutter / Rolling shutter / Global Start Shutter Sensor characteristic Linear Readout mode Progressive scan 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) 12 bit Optical sensor class 1/11.8"" Optical Size 6.784 mm x 5.427 mm Optical sensor diagonal 8.69 mm (1/1.84") Pixel size 5.3 µm Manufacturer e2v Sensor Model EV76C560ABT Gain (master/RGB) 4x/- AOI horizontal same frame rate AOI vertical increased frame rate AOI vertical increased frame rate AOI was width / step width AOI image height / step width AOI image height / step width AOI position grid (horizontal/vertical) 2 / 2 Binning horizontal same frame rate Binning vertical same frame rate Binning method M/C automatic Binning factor 2 Subsampling horizontal Subsampling method -	Sensor type	CMOS Mono
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Binning method M/C automatic  Binning factor 2  Subsampling horizontal -  Subsampling vertical -  Subsampling method -	Binning horizontal	same frame rate
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Subsampling horizontal - Subsampling vertical - Subsampling method -	Binning method	M/C automatic
Subsampling vertical - Subsampling method -	Binning factor	2
Subsampling method -	Subsampling horizontal	-
	Subsampling vertical	-
Subsampling factor -	Subsampling method	-
	Subsampling factor	-



Subject to technical modifications (2024-05-08)

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## UI-5240FA-M-GL (AB02427)

### Model

Pixel clock range	7 MHz - 86 MHz
Frame rate freerun mode	60
Frame rate trigger (maximum)	59
Exposure time (minimum - maximum)	0.009 ms - 2000 ms
Power consumption	1.7 W - 2.2 W
Image memory	128 MB
Special features	Linescan mode, Scaler, Sequencer, Log mode, Sensor hot pixel correction, Fine exposure, Multi-AOI

### Ambient conditions

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

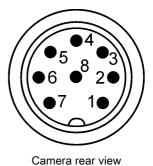
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	0 % - 100 %

### Connectors

Interface connector	GigE M12, screwable
I/O connector	8-pin Binder connector (Binder series 712: 09-0427-020-08)
Power supply	12 V - 24 V or PoE

#### Pin assignment I/O connector

Trigger input with optocoupler (+)
Input power supply (VCC) 12-24 V DC
General Purpose I/O (GPIO) 1
Ground (GND)
Flash output with optocoupler (+)
Flash output with optocoupler (-)
Trigger input with optocoupler (-)
General Purpose I/O (GPIO) 2



## Design

Lens Mount	C-Mount
IP code	IP65/67
Dimensions H/W/L	41.0 mm x 53.0 mm x 42.7 mm
Mass	173 g

Subject to technical modifications (2024-05-08)