SFA10.69.G1.IMX678.CIR.C (1012895)

In series
The model is in series and available for the long term.





Specification

Streaming

Streams	2x RTSP 1x HTTP
Resolution	1920x1080 @ 30 fps 1440x1080 @ 30 fps 1280x720 @ 30 fps 640x480 @ 30 fps
Compression	MJPEG H.264

Event Recorder

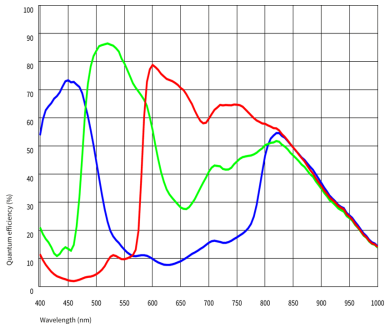
Recording duration (maximum)	120 s
Pre-event time (maximum)	60 s
Post-event time (maximum)	60 s
Usable storage	1.31 GiB
Event trigger	Hardware Input WebCockpit REST-API

IDS Imaging Development Systems Inc.
800 W Cummings Park Ste 2950 · Woburn, MA 01801-7221 · Phone +1 (781) 787-0048 · E-Mail usasales@ids-imaging.com

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Sensor

Sensor type	CMOS Color
Shutter	Rolling shutter
Sensor characteristic	Linear
Pixel Class	8 MP
Resolution	8.29 Mpix
Resolution (h x v)	3840 x 2160 Pixel
Aspect ratio	16:9
ADC	12 bit
Color depth (camera)	0 bit
Optical sensor class	1/1.8"
Optical Size	7.680 mm x 4.320 mm
Optical sensor diagonal	8.81 mm 1/1.8"
Pixel size	2 µm
CRA (Chief Ray Angle)	0 °
Manufacturer	Sony
Sensor Model	IMX678-AAQR1-C



Model

Exposure time (minimum - maximum)	0.029 ms - 33.299 ms
Power consumption (Power over Ethernet)	4 W
Power consumption (external power supply)	3.9 W

Ambient conditions

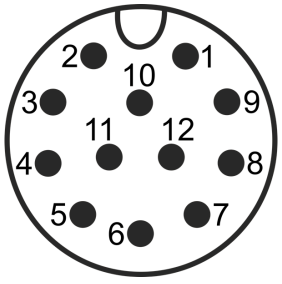
The temperature values given below refer to the outer device temperature of the camera housing.

Allowed device temperature during operation	-20 °C - 55 °C / -4 °F - 131 °F
Allowed ambient 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	
Power supply	12 V - 24 V or PoE

Pin assignment I/O connector



1	Power supply (VCC) 12-24 V
2	Power supply, ground
3	Input 2, with optocoupler (+)
4	
5	Input 1, with optocoupler (-)
6	Output 1, with optocoupler (-)
7	Output 1, with optocoupler (+)
8	Output 2, with optocoupler (+)
9	General Purpose I/O (GPIO) 1, 3.3 V
10	General Purpose I/O (GPIO) 2, 3.3 V
11	Input 2, with optocoupler (-)
12	Output 2, with optocoupler (+)

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Design

Lens Mount	C-Mount
IP code	IP66, IP67, IP69, IPx9K
Dimensions H/W/L	41.0 mm x 53.0 mm x 42.7 mm
Mass	175 g
Housing material	Aluminum

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 Adjustments	Auto exposure	✓
	Auto gain	✓
	Auto whitebalance	✓
	Color correction	-
	Gamma	-
	LUT	-
	Mirror/flip	X/Y
Others	Firmware update	✓
	1st supported firmware version	1.3.2

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