GL-53D0SCP-C-HQ (1013233)

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

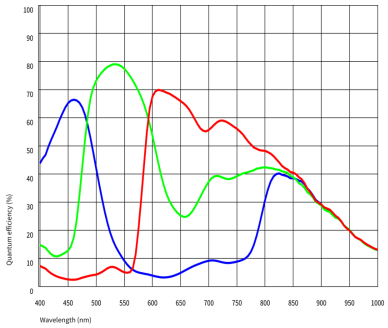
Recording duration (maximum)	120 s
Pre-event time (maximum)	60 s
Post-event time (maximum)	60 s
Usable storage	1.3 GiB
Event trigger	Hardware Input WebCockpit REST-API

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

GL-53D0SCP-C-HQ (1013233)

Sensor

Sensor type	CMOS Color
Shutter	Global Shutter
Sensor characteristic	Linear
Pixel Class	3 MP
Resolution	3.15 Mpix
Resolution (h x v)	2048 x 1536 Pixel
Aspect ratio	4:3
ADC	12 bit
Color depth (camera)	8 bit
Optical sensor class	1/3.1"
Optical Size	4.608 mm x 3.456 mm
Optical sensor diagonal	5.76 mm 1/3.1"
Pixel size	2.25 µm
CRA (Chief Ray Angle)	8 °
Manufacturer	Sony
Sensor Model	IMX900-AQR-C



Model

Exposure time (minimum - maximum)	0.024 ms - 32.867 ms
Power consumption (external power supply)	3 W

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	GigE RJ45, screwable
I/O connector	8-pin Hirose connector (HR25-7TR-8PA(73))
Power supply	12 V - 24 V

Pin assignment I/O connector

1	Ground (GND)
2	Output with optocoupler (-)
3	General Purpose I/O (GPIO) 1
4	Input with optocoupler (-)
5	Output with optocoupler (+)
6	General Purpose I/O (GPIO) 2
7	Input with optocoupler (+)
8	Input power supply (VCC) 12-24 V DC



Design

Lens Mount	C-Mount
IP code	IP30
Dimensions H/W/L	29.0 mm x 29.0 mm x 29.0 mm
Mass	47 g
Housing material	Magnesium / stainless steel

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

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	1.3.0

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