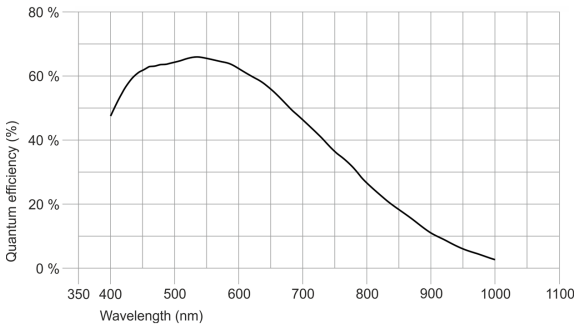
IDS NXT rome GS23050M-GL (AS00010)

Discontinued
The model has been discontinued.

Specification

Sensor

Sensor type	CMOS Mono
Shutter	Global Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	5 MP
Resolution	5.01 Mpix
Resolution (h x v)	2448 x 2048 Pixel
Aspect ratio	5:4
ADC	12 bit
Color depth (camera)	8 bit
Optical sensor class	2/3""
Optical Size	8.446 mm x 7.066 mm
Optical sensor diagonal	11.01 mm (1/1.45")
Pixel size	3.45 µm
Manufacturer	Sony
Sensor Model	IMX264LLR-C
Gain (master/RGB)	24x/4x
AOI horizontal	-
AOI vertical	-
AOI image width / step width	- / -
AOI image height / step width	- / -
AOI position grid (horizontal/vertical)	- / -
Binning horizontal	-
Binning vertical	-
Binning method	-
Binning factor	-
Subsampling horizontal	-
Subsampling vertical	-
Subsampling method	-
Subsampling factor	-



IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com

Model

Frame rate freerun mode	12
Frame rate trigger (continuous)	14
Frame rate trigger (maximum)	14
Exposure time (minimum - maximum)	0.032 ms - 2000 ms
Power consumption	5.3 W - 11.7 W
Image memory	128 MB

Ambient conditions

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

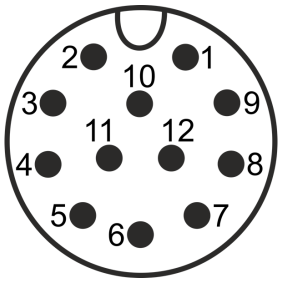
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	0 % - 80 %

Connectors

Interface connector	GigE M12, screwable
I/O connector	12-pin M12 connector (Attend 216A-12MSR)
Power supply	12 V - 24 V or PoE

Pin assignment I/O connector

1	Power supply 12-24 V DC (VBUS)
2	Reference level (ground) for power supply and RS-232 (VBUS GND)
3	Trigger input with optocoupler (Opto IN 0)
4	Input 1 with optocoupler (Opto IN 1)
5	Common reference level for all Opto IN (Opto IN COM)
6	Common reference level for all Opto OUT (Opto OUT COM)
7	Output 1 with optocoupler (Opto OUT 1)
8	Output 2 with optocoupler (Opto OUT 2)
9	Serial interface (RS232 RxD)
10	Serial interface (RS232 TxD)
11	Input 2 with optocoupler (Opto IN 2)
12	Flash output with optocoupler (Opto OUT 0)



Camera rear view

Design

Lens Mount	C-Mount
IP code	IP65/67
Dimensions H/W/L	41.0 mm x 53.0 mm x 75.0 mm
Mass	281.5 g

IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com