


SPECIFICATIONS

features	CALIBIR GX Family	
		
Key Features		
Temperature Zone	2 Overlapping, independent controls and stats for min, max, average and std	
Contrast Enhancement	ROI Based Adaptive Contrast Enhancement Engine	
Alarms	1 per Temp. Zone Software message and/or electrical output	
Overlay	Text (stats/frame count), Temp. scale, bounding box or cross-hair	
Pseudo-color	Built-in or User supplied	
Pixel Formats	Mono: 8 or 16-bit/pixel	Color: YUV
Mechanical Interface		
Camera with M25/M34 Lens Mount (W x H x L)	29 mm x 36 mm x 59 mm (with lens mount)	
Mass (without lens)	67 g	
Power Connector	via Samtec 10-pin connector (or optionally using PoE)	
Electrical Interface		
Data and Video	Gigabit Ethernet with Power Over Ethernet (POE)	
Input Voltage	12/24 V DC (min 9 V, max 57 V)	
Power Consumption	Typical (typically due to shutter activation)	Maximum (typically due to shutter activation)
12 V	2.8 W	4.4 W
24 V	2.8 W	4.4 W
Power over Ethernet (48 V)	3.5 W	4.8 W
Environmental Conditions		
Operating Relative Humidity	maximum 80% non-condensing	
Storage Temperature	-40°C to +80°C	
Storage Relative Humidity	maximum 80% non-condensing	
Sensor Information		
Spectral Response	8-14 μm (LWIR)	
Pixel Pitch	17 μm	
Focal Plane Array	320 x 240 (QVGA), 640 x 480 (VGA)	
Camera Information	GXM	GXF
Internal mechanical shutter activation time	<100 ms to change from open/closed position	
Operating Temperature (Ambient)	-35°C to 60°C	-35°C to 60°C
NETD (25°C ambient)	<50 mk	
Radiometric Accuracy and Scene Range (°C)	+/- 5°C, 10°C to 90°C	+/- 1°C, for ambient temperature between 15°C to 45°C and scene temperature between 25°C to 45°C

Contact our sales for more info on a model without lens, or other lens options.

SUPPORTED LENSES: CALIBIR GXM/F 640 (VGA)

Model Part Numbers	Lens Mount	EFL (mm)	Aperture (1/f)	HFOV (degrees)	VFOV (degrees)	Lens Weight (g)	Min Focus Dist (meter)	Total Mass (g)
IR-G*ZG-4101000	M25	7.48**	1.23	90.8	65.1	35	1	101.7
IR-G*ZG-4102000	M25	8.52	1.24	73.2	54.4	34	0.4	100.7
IR-G*ZG-4103000	M25	14.2	1.24	42.1	31.9	25	1.3	91.7
IR-G*ZG-4104000	M25	19.0	1.03	32.3	24.4	31.2	2.4	97.9
IR-G*ZG-4104500	M25	25.0	1.20	24.2	18.4	40	2.0	106.7
IR-G*ZG-4105000	M25	35.0**	1.14	16.9	12.9	45.9	5.0	112.6
IR-G*ZG-5505000	M34	50.0**	1.00	12.3	9.3	143	5.0	210.0
IR-G*ZG-5507500	M34	75.0**	1.13	8.2	6.2	274	8.0	340.7

*Standard M and F model. ** GXM only

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SUPPORTED LENSES: CALIBIR GXM/F320 (QVGA)

Model Part Numbers	Lens Mount	EFL (mm)	Aperture (1/f)	HFOV (degrees)	VFOV (degrees)	Lens Weight (g)	Min Focus Dist (meter)	Total Mass (g)
IR-G*QG-4101500	M25	8.1	1.1	40.1	29	27	1.5	93.7
IR-G*QG-4102500	M25	13.0	1.0	24	18.1	23	0.4	89.7
IR-G*QG-4104000	M25	19.0	1.0	16.4	12.3	31.2	2.4	97.9
IR-G*QG-4104500	M25	25.0	1.20	12.4	9.3	40	2.0	106.7
IR-G*QG-4105000	M25	35.0**	1.14	8.9	6.7	45.9	5.0	112.6

*Standard M and F model. ** GXM only

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