

## MER-Gx-P

\*= preliminary

Model	Interface	Resolution(H×V)	Frame Rate	Sensor	Pixel Size	Mono/ Color
MER-030-120GM/C-P	GigE	656 × 492	120 fps	1/4" Sony ICX618 CCD	5.6µm × 5.6µm	Mono/ Color
MER-031-300GM/C-P	GigE	640 × 480	300 fps	1/4" ON PYTHON 300 global shutter CMOS	4.8µm × 4.8µm	Mono/ Color
MER-031-300GM-P NIR	GigE	640 × 480	300 fps	1/4" ON PYTHON 300 global shutter CMOS	4.8µm × 4.8µm	Mono NIR
MER-032-120GM/C-P	GigE	656 × 492	120 fps	1/3" CCD	7.4µm × 7.4µm	Mono/ Color
MER-050-200GM/C-P	GigE	800 × 600	200 fps	1/3.6" ON PYTHON 500 global shutter CMOS	4.8µm × 4.8µm	Mono/ Color
MER-050-200GM-P NIR	GigE	800 × 600	200 fps	1/3.6" ON PYTHON 500 global shutter CMOS	4.8µm × 4.8µm	Mono NIR
MER-051-120GM/C-P *	GigE	808 × 608	120fps	1/3.6" ON PYTHON 480 global shutter CMOS	4.8µm × 4.8µm	Mono/ Color
MER-125-30GM/C-P	GigE	1292 × 964	30 fps	1/3" Sony ICX445 CCD	3.75µm × 3.75µm	Mono/ Color
MER-131-75GM/C-P	GigE	1280 × 1024	75 fps	1/2" ON PYTHON 1300 global shutter CMOS	4.8µm × 4.8µm	Mono/ Color
MER-131-75GM-P NIR	GigE	1280 × 1024	75 fps	1/2" ON PYTHON 1300 global shutter CMOS	4.8µm × 4.8µm	Mono NIR
MER-132-43GM/C-P	GigE	1292 × 964	43 fps	1/3" CCD	3.75µm × 3.75µm	Mono/ Color
MER-133-54GM/C-P *	GigE	1280 × 960	54 fps	1/3" ON AR0135 global shutter CMOS	3.75µm × 3.75µm	Mono/ Color
MER-200-20GM/C-P	GigE	1628 × 1236	20 fps	1/1.8" Sony ICX274 CCD	4.4µm × 4.4µm	Mono/ Color
MER-500-14GM/C-P	GigE	2592 × 1944	14 fps	1/2.5" ON MT9P031/ MT9P006 rolling shutter CMOS	2.2µm × 2.2µm	Mono/ Color
MER-503-20GM/C-P	GigE	2448 × 2048	20 fps	2/3" SONY IMX264 global shutter CMOS	3.45µm × 3.45µm	Mono/ Color
MER-504-10GM/C-P	GigE	2448 × 2048	10 fps	2/3" CCD	3.45µm × 3.45µm	Mono/ Color
MER-530-20GM-P NIR*	GigE	2592 × 2048	20 fps	1" ON PYTHON 5000 global shutter CMOS	4.8µm × 4.8µm	Mono NIR
MER-531-20GM/C-P *	GigE	2592 × 2048	20 fps	1" ON PYTHON 5000 global shutter CMOS	4.8µm × 4.8µm	Mono/ Color
MER-1070-10GM/C-P	GigE	3840 × 2748	10 fps	1/2.5" ON MT9J003 rolling shutter CMOS	1.67µm × 1.67µm	Mono/ Color
MER-1520-7GC-P	GigE	4608 × 3288	7 fps	1/2.5" ON MT9F002 rolling shutter CMOS	1.4µm × 1.4µm	Color

### Mechanical Specifications

<b>Weight</b>	75g
<b>Dimensions</b>	29mm × 29mm × 38.3mm

### Environmental Specifications

<b>Operating temp.</b>	0°C ~ +45°C
<b>Operating humidity</b>	10% ~ 80%
<b>Storage temp.</b>	-20°C ~ +70°C

### Electrical Specifications

<b>Power requirement</b>	12 VDC (8-PIN connector) or PoE
<b>I/Os</b>	Opto-isolated 1in/ 1out, 2 GPIOs
<b>Data interface</b>	RJ45 with locked
<b>Power consumption</b>	<3W @ 12VDC , <3.75W @ PoE

### Optical Specifications

<b>Lens mount</b>	C / CS
-------------------	--------

**MER-Gx**

\*\_ = preliminary

Model	Interface	Resolution(H×V)	Frame Rate	Sensor	Pixel Size	Mono/ Color
MER-030-120GM/C	GigE	656 × 492	120 fps	1/4" Sony ICX618 CCD	5.6μm × 5.6μm	Mono/ Color
MER-031-300GM/C	GigE	640 × 480	300 fps	1/4" ON PYTHON 300 global shutter CMOS	4.8μm × 4.8μm	Mono/ Color
MER-032-120GM/C	GigE	656 × 492	120 fps	1/3" CCD	7.4μm × 7.4μm	Mono/ Color
MER-050-200GM/C	GigE	800 × 600	200 fps	1/3.6" ON PYTHON 500 global shutter CMOS	4.8μm × 4.8μm	Mono/ Color
MER-125-30GM/C	GigE	1292 × 964	30 fps	1/3" Sony ICX445 CCD	3.75μm × 3.75μm	Mono/ Color
MER-130-30GM *	GigE	1280 × 1024	30 fps	1/2" ON MT9M001 rolling shutter CMOS	5.2μm × 5.2μm	Mono
MER-131-75GM/C	GigE	1280 × 1024	75 fps	1/2" ON PYTHON 1300 global shutter CMOS	4.8μm × 4.8μm	Mono/ Color
MER-132-30GM/C	GigE	1292 × 964	30 fps	1/3" CCD	3.75μm × 3.75μm	Mono/ Color
MER-132-43GM/C	GigE	1292 × 964	43 fps	1/3" CCD	3.75μm × 3.75μm	Mono/ Color
MER-200-14GM/C	GigE	1628×1236	14 fps	1/1.8" Sony ICX274 CCD	4.4μm × 4.4μm	Mono/ Color
MER-200-20GM/C	GigE	1628 × 1236	20 fps	1/1.8" Sony ICX274 CCD	4.4μm × 4.4μm	Mono/ Color
MER-231-41GM/C	GigE	1920 × 1200	41 fps	1/1.2" Sony IMX249 global shutter CMOS	5.86μm × 5.86μm	Mono/ Color
MER-500-14GM/C	GigE	2592 × 1944	14 fps	1/2.5" ON MT9P031/ MT9P006 rolling shutter CMOS	2.2μm × 2.2μm	Mono/ Color
MER-1070-10GM/C	GigE	3840 × 2748	10 fps	1/2.5" ON MT9J003 rolling shutter CMOS	1.67μm × 1.67μm	Mono/ Color
MER-1520-7GC	GigE	4608 × 3288	7 fps	1/2.5" ON MT9F002 rolling shutter CMOS	1.4μm × 1.4μm	Color

**Mechanical Specifications**

<b>Weight</b>	60g
<b>Dimensions</b>	29mm × 29mm × 29mm

**Environmental Specifications**

<b>Operating temp.</b>	0°C ~ +45°C
<b>Operating humidity</b>	10% ~ 80%
<b>Storage temp.</b>	-20°C ~ +70°C

**Electrical Specifications**

<b>Power requirement</b>	12 VDC (8-PIN connector)
<b>I/Os</b>	Opto-isolated 1in/1out, 2 GPIOs
<b>Data interface</b>	RJ45 with locked
<b>Power consumption</b>	<3W @ 12VDC

**Optical Specifications**

<b>Lens mount</b>	C / CS
-------------------	--------