

M-CAMERAS

M-Series cameras allow for fast integration to solve the most complex machine vision applications. The unique ability to mix and match color, gray-scale, multi imager, area and line scan cameras with an MX-Series processor lets you define, select and deploy the perfect imaging solution for high-speed, multi-camera machine vision inspections.



M100 Series



M200 Series



M300 Series



M500 Series

BENEFITS

- GigE compatible for fast integration with MX-Series processors
- Compact size fits many machine configurations
- High-speed trigger input
- High-speed strobe light output
- C-mount lens support
- IP30 rated housing
- CE, FCC and RoHS compliant
- Utilizes color inspection tools

HIGHLIGHTS

- GigE compatible for easy communication to MX Series processors
- VGA to 5MP resolution, in both gray scale and color
- Camera settings fully controllable by IMPACT Software
- Power over Ethernet (PoE) reduces cabling complexity (only M1xx)
- Small form factor (as little as 29 mm x 29 mm x 60 mm) enables mounting in space-constrained locations
- Asynchronous triggering enables each camera to independently capture images at rates up to 210 frames per second (fps)
- Trigger and strobe I/O on camera eases integration

TECHNICAL SPECIFICATIONS

AREASCAN

	GRAY-SCALE MODEL	COLOR MODEL	RESOLUTION	IMAGER	SHUTTER	FRAME RATE (FPS)	PoE
	M100	M100C	640 x 480	1/4" CCD	Global	100	▪
	M110	M110C	640 x 480	1/3" CCD	Global	90	▪
	M115	M115C	659 x 494	1/2" CCD	Global	100	▪
	M125	M125C	782 x 582	1/2" CCD	Global	75	▪
	M150	M150C	1296 x 966	1/3" CCD	Global	30	▪
	M180	M180C	1628 x 1236	1/1.8" CCD	Global	20	▪
	M190	M190C	2048 x 1088	2/3" CMOS	Global	50	▪
	M195	M195C	2048 x 2048	1" CMOS	Global	25	▪
	M197	M197C	2592 x 1944	1/2.5" CMOS	Rolling	14	▪
	M200	M200C	659 x 494	1/3" CCD	Global	70	
	M202	M202C	659 x 494	1/2" CCD	Global	79	
	M205	M205C	752 x 480	1/3" CMOS	Global	64	
	M210	M210C	782 x 582	1/2" CCD	Global	55	
	M230	M230C	1034 x 779	1/3" CCD	Global	31	
	M250	M250C	1280 x 960	1/3" CCD	Global	32	
	M270	M270C	1392 x 1040	2/3" CCD	Global	30	
	M290	M290C	1628 x 1236	1/1.8" CCD	Global	14	
	M295	M295C	1628 x 1236	1/1.8" CCD	Global	28	
	M300	M300C	648 x 488	1/3" CCD	Global	210	
	M330	M330C	1004 x 1004	2/3" CCD	Global	60	
	M350	M350C	1608 x 1208	1" CCD	Global	35	
	M390	M390C	2448 x 2050	2/3" CCD	Global	17	

LINESCAN

	MODEL	RESOLUTION	MAX LINE RATE	PIXEL SIZE	C-MOUNT	F-MOUNT	M42-MOUNT
	M565	2048	48 KHz	7 µm x 7 µm	▪	▪	
	M570	4096	24 KHz	7 µm x 7 µm		▪	
	M575	6144	17 KHz	7 µm x 7 µm		▪	▪
	M580	8192	12 KHz	3.5 µm x 3.5 µm		▪	▪

MODELS

DESCRIPTION	ORDER N°
Vision processors	
MX20 Vision Processor, Windows 7, 4 GB RAM, 2 Camera Licensed	959912001
MX40 Vision Processor, Windows 7, 4 GB RAM, 1 Camera Licensed	959914001
MX40 Vision Processor, Windows 7, 4 GB RAM, 2 Camera Licensed	959914002
MX40 Vision Processor, Windows 7, 4 GB RAM, 3 Camera Licensed	959914003
MX40 Vision Processor, Windows 7, 4 GB RAM, 4 Camera Licensed	959914004
MX80 Vision Processor, Windows 7, 8 GB RAM, 1 Camera Licensed	959918001
MX80 Vision Processor, Windows 7, 8 GB RAM, 2 Camera Licensed	959918002
MX80 Vision Processor, Windows 7, 8 GB RAM, 3 Camera Licensed	959918003
MX80 Vision Processor, Windows 7, 8 GB RAM, 4 Camera Licensed	959918004
Cameras	
Camera, M100, Gig-E, 659 x 494, 100 FPS, Grayscale, 1/4" CCD	601-0351
Camera, M100C, Gig-E, 659 x 494, 100 FPS, Color, 1/4" CCD	601-0378
Camera, M110, Gig-E, 659 x 494, 90 FPS, Grayscale, 1/3" CCD	601-0423
Camera, M110C, Gig-E, 659 x 494, 90 FPS, Color, 1/3" CCD	601-0424
Camera, M115, Gig-E, 659 x 494, 100 FPS, Grayscale, 1/2" CCD	601-0450
Camera, M115C, Gig-E, 659 x 494, 100 FPS, Color, 1/2" CCD	601-0451
Camera, M125, Gig-E, 782 x 582, 75 FPS, Grayscale, 1/2" CCD	601-0452
Camera, M125C, Gig-E, 782 x 582, 75 FPS, Color, 1/2" CCD	601-0453
Camera, M150, Gig-E, 1296 x 966, 30 FPS, Grayscale, 1/3" CCD	601-0352
Camera, M150C, Gig-E, 1296 x 966, 30 FPS, Color, 1/3" CCD	601-0379
Camera, M180, Gig-E, 1628 x 1236, 20 FPS, Grayscale, 1/1.8" CCD	601-0357
Camera, M180C, Gig-E, 1628 x 1236, 20 FPS, Color, 1/1.8" CCD	601-0384
Camera, M190, Gig-E, 2048 x 1088, 50 FPS, Grayscale, 2/3" CMOS	601-0454
Camera, M190C, Gig-E, 2048 x 1088, 50 FPS, Color, 2/3" CMOS	601-0455
Camera, M195, Gig-E, 2048 x 2048, 25 FPS, Grayscale, 1" CMOS	601-0456
Camera, M195C, Gig-E, 2048 x 2048, 25 FPS, Color, 1" CMOS	601-0457
Camera, M197, Gig-E, 2592 x 1944, 14 FPS, Grayscale, 1/2.5" CMOS	959931010
Camera, M197C, Gig-E, 2592x1944, 14 FPS, Color, 1/2.5" CMOS	959931011
Camera, M200, Gig-E, 659 x 494, 70 FPS, Grayscale, 1/3" CCD	601-0358
Camera, M200C, Gig-E, 659 x 494, 70 FPS, Color, 1/3" CCD	601-0385
Camera, M202, Gig-E, 659 x 494, 79 FPS, Grayscale, 1/2" CCD	601-0359
Camera, M202C, Gig-E, 659 x 494, 79 FPS, Color, 1/2" CCD	601-0386
Camera, M205, Gig-E, 752 x 480, 64 FPS, Grayscale, 1/3" CMOS	601-0426
Camera, M205C, Gig-E, 752 x 480, 64 FPS, Color, 1/3" CMOS	601-0427
Camera, M210, Gig-E, 782 x 582, 55 FPS, Grayscale, 1/2" CCD	601-0360
Camera, M210C, Gig-E, 782 x 582, 55 FPS, Color, 1/2" CCD	601-0387
Camera, M230, Gig-E, 1034 x 779, 31 FPS, Grayscale, 1/3" CCD	601-0361
Camera, M230C, Gig-E, 1034 x 779, 31 FPS, Color, 1/3" CCD	601-0388
Camera, M250, Gig-E, 1296 x 966, 32 FPS, Grayscale, 1/3" CCD	601-0362
Camera, M250C, Gig-E, 1296 x 966, 32 FPS, Color, 1/3" CCD	601-0389
Camera, M270, Gig-E, 1392 x 1040, 30 FPS, Grayscale, 2/3" CCD	601-0363
Camera, M270C, Gig-E, 1392 x 1040, 30 FPS, Color, 2/3" CCD	601-0390
Camera, M290, Gig-E, 1628 x 1236, 14 FPS, Grayscale, 1/1.8" CCD	601-0353
Camera, M290C, Gig-E, 1628 x 1236, 14 FPS, Color, 1/1.8" CCD	601-0380
Camera, M295, Gig-E, 1628 x 1236, 28 FPS, Grayscale, 1/1.8" CCD	601-0420
Camera, M295C, Gig-E, 1628 x 1236, 28 FPS, Color, 1/1.8" CCD	601-0421
Camera, M300, Gig-E, 648 x 488, 210 FPS, Grayscale, 1/3" CCD	601-0354
Camera, M300C, Gig-E, 648 x 488, 210 FPS, Color, 1/3" CCD	601-0381
Camera, M330, Gig-E, 1004 x 1004, 60 FPS, Grayscale, 2/3" CCD	601-0364
Camera, M330C, Gig-E, 1004 x 1004, 60 FPS, Color, 2/3" CCD	601-0391
Camera, M350, Gig-E, 1608 x 1208, 35 FPS, Grayscale, 1" CCD	601-0365
Camera, M350C, Gig-E, 1608 x 1208, 35 FPS, Color, 1" CCD	601-0392
Camera, M390, Gig-E, 2448 x 2050 (5MP), 17 FPS, Grayscale, 2/3" CCD	601-0355
Camera, M390C, Gig-E, 2448 x 2050 (5MP), 17 FPS, Color, 2/3" CCD	601-0382
Camera, M565, Gig-E, 2048 Linescan, 51KHz, Grayscale	959931002
Camera, M570, Gig-E, 4096 Linescan, 26KHz, Grayscale	959931003
Camera, M575, Gig-E, 6144 Linescan, 17KHz, Grayscale	959933020
Camera, M580, Gig-E, 8192 Linescan, 12KHz, Grayscale	959933021