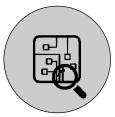
APPLICATIONS



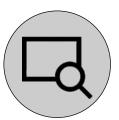






Virtual & Augmented Reality Scientific Research

Motion Capture









LCD Inspection

Slow Motion Imaging

Aerospace & Defense

Factory Automation

FRAME RATE CHART (8-bit, Single/Dual-Link)

	4B523	16B276	24A164	32B55	32B216	51B163	89B64	89B93	120B68	262G41	205R26
320 x 240	1088 / 1088	1106 / 1106	640 / 640	322 / 322	1230 / 1230	1230 / 1230	483 / 483	711 / 711	711 / 711	832 / 832	61 / 61
640 x 480	587 / 587	597 / 597	429 / 429	171 / 171	660 / 660	660 / 660	266 / 266	391 / 391	391 / 391	431 / 431	61 / 61
800 x 600	-	485 / 485	343 / 343	138 / 138	536 / 536	536 / 536	217 / 217	319/319	319/319	347 / 347	61 / 61
1280 x 720	-	409 / 409	286 / 286	116 / 116	451 / 451	451 / 451	183 / 183	270 / 270	270 / 270	291 / 291	61 / 61
1920 x 1080	-	-	190 / 190	78 / 78	277 / 306	276 / 306	125 / 125	184 / 184	184 / 184	195 / 195	61 / 61
2064 x 1544	-	-	-	55 / 55	183 / 216	182 / 216	89 / 89	130 / 130	130 / 130	137 / 137	61 / 61
2048 x 2048	-	-	-	-	-	139 / 164	67 / 67	99 / 99	99 / 99	104 / 104	61 / 61
2464 x 2056	-	-	-	-	-	116 / 163	67 / 67	99 / 99	99 / 99	103 / 103	61 / 61
4096 x 2160	-	-	-	-	-	-	64 / 64	66 / 94	66 / 94	65 / 98	61 / 61
4112 x 3008	-	-	-	-	-	-	-	-	47 / 68	46 / 71	32 / 32
4096 x 4096	-	-	-	-	-	-	-	-	-	34 / 52	-
5120 x 5120	-	-	-	-	-	-	-	-	-	22 / 41	-
5472 x 3672	-	-	-	-	-	_	-	-	-	-	26 / 26

ACCESSORIES

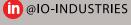
Part Number	Description
VICPWR	AC to 12V DC Power Adapter (Universal), for use if PoCXP not supplied
VICPWRIO	AC to 12V DC Power Adapter (Universal) with (2) BNC for TTL I/O
CABVICIO	TTL I/O cable, 6-pin Hirose to (2) BNC, 0.1m length, no power adapter (use PoCXP)
VICLENSMOUNT-A	Lens Adapter, C to Active EF-mount, requires VICPWRIO2
VICPWRIO2	AC to 12V DC Power Adapter (Universal) with cable for VICLENSMOUNT-A
VICMOUNT Tripod Mounting Plate, can be installed on all sides of camera	
VICMOUNT-A	Tripod Mounting Plate (tall), for use with VICLENSMOUNT-A

Visit us at: www.ioindustries.com 15940 Robin's Hill Road London, Ontario, Canada, N5V 0A4 Tel: +1 519 663 9570 Email: sales@ioindustries.com

LET'S STAY CONNECTED!







Datasheet Rev. 2.7 (08/12/2020) Specifications subject to change without notice

VICTOREM™ SERIES





INDUSTRIAL COAXPRESS CAMERAS



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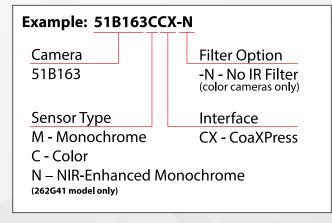
SPECIFICATIONS

Camara Madal	4P522	160276	24164	22055	22P216	E1D162	90P64	90P02	120P60	262641	20ED26
Camera Model	4B523	16B276	24A164	32B55	32B216	51B163	89B64	89B93	120B68	262G41	205R26
Sensor	Sony IMX287	Sony IMX273	Sony IMX174	Sony IMX265	Sony IMX252	Sony IMX250	Sony IMX305	Sony IMX255	Sony IMX253	Gpixel GMAX0505	Sony IMX183
Sensor Size (H x V)	720 x 544	1456 x 1088	1936 x 1216	2064 x 1544	2064 x 1544	2464 x 2056	4112 x 2176	4112 x 2176	4112 x 3008	5120 x 5120	5472 x 3672
Max. Frame Rate (8 / 10 / 12-bit)	523 / 436 / 319	276 / 226 / 165	164 / 164 / 128	55 / 55 / 55	216 / 191 / 167	163 / 144 / 89	63/63/63	93 / 88 / 63	68 / 64 / 46	41 / 35 / 28	26 / 26 / 22
Max. Single-Link Frame Rate	523 / 436 / 319	276 / 226 / 165	164 / 164 / 128	55 / 55 / 55	183 / 146 / 118	116 / 93 / 77	63 / 52 / 43	65 / 52 / 43	47 / 38 / 31	21 / 17 / 14	26 / 23 / 19
Optical Format (Diagonal)	1/3" (6.3mm)	1/3" (6.3mm)	1/1.2" (13.4mm)	1/1.8" (8.9mm)	1/1.8" (8.9mm)	2/3" (11.1mm)	1" 16.1mm)	1" (16.1mm)	1.1" (17.6mm)	1.1" (18.1mm)	1" (15.9mm)
Sensor Type	CMOS										
Shutter Type	Global Shutter Rolling (C									Rolling (Global Reset)	
Sensor Options	Monochrome or	Color (Bayer)		Color (Bayer) Monochrome or Color (Bayer) Color (Bayer) Monochrome or Color (Bayer)							
Pixel Size	6.9 x 6.9µm	3.45 x 3.45μm	5.86 x 5.86µm	3.45 x 3.45μm 2.5 x 2.5μm							2.4 x 2.4μm
Dynamic Range	76.5 dB 73.6 dB 65.8dB									72.0 dB	
SNRmax	43.2 dB 40.4 dB 44.8 dB 40.4 dB 36.5dB							36.5dB	41.8 dB		
Output Configurations	CoaXPress (v1.1), 1 or 2 links at 2.50Gbps (CXP-2), 3.125Gbps (CXP-3), 5.0Gbps (CXP-5) or 6.25Gbps (CXP-6)										
Multiple ROI	Not Supported Up to 2 Up to 4 Not Supported Up to 8						Not Supported Up to 8				
Pixel Bit Depth	8 / 10 / 12-bit										
Exposure Control	Trigger width, timed, or auto-exposure control									Timed or Auto	
Image Correction	Black level correction, bad pixel replacement										
Color Processing	Auto white balance (tracking or manual), programmable LUTs										
Camera Configuration	GenlCam or Victorem Control software										

MECHANICAL / ELECTRICAL

33.0 mm x 44.0 mm x 53.7 mm (WxHxD)						
C-mount or Active EF-mount						
140 g						
24V via PoCXP or 7-30 V direct DC, 3-4 W						
TTL-level trigger input / output						
-30°C to 65°C, 20-85% humidity (non-condensing)						
-40°C to 85°C, 10-90% humidity (non-condensing)						
Tested per MIL-STD-810G Method 516.6, 3-axis Shock 75G						
Tested per MIL-STD-810G Method 514.6, 3-axis Vibration Cat. 20						

ORDERING



LENS COMPATIBILITY

Depending on the depth and diameter of the rear element, some C-mount lenses may not be mechanically compatible. Ensure the rear element does not exceed the maximum depth listed below.

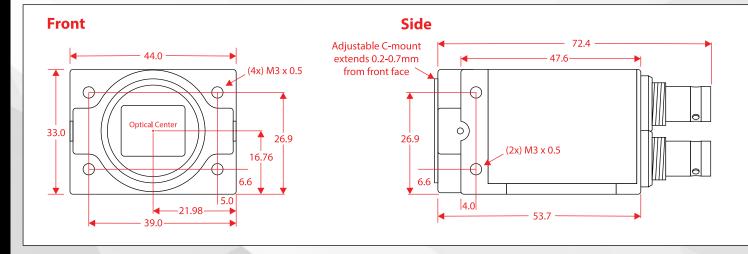
Cameras With No IR Filter

Ø > 22.0mm: 5.5mm

Ø < 21.0mm: 9.7mm

Journal of the rear element, some C-mount lenses may not be mechanically compatible. Ensure the rear element does not exceed the maximum depth listed below.

DIAGRAMS



Rear

