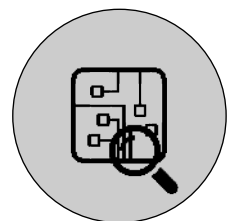
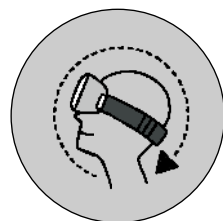


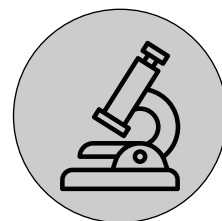
APPLICATIONS



PCB Inspection



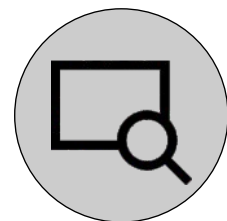
Virtual & Augmented Reality



Scientific Research



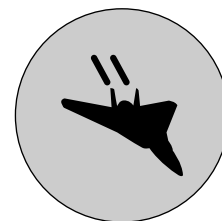
Motion Capture



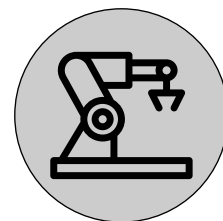
LCD Inspection



Slow Motion Imaging



Aerospace & Defense



Factory Automation

VICTOREM™ SERIES



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

	4B523	16B276	24A164	32B216	51B163	89B93	120B68	205R26
320 x 240	1088 / 1088	1106 / 1106	640 / 640	1230 / 1230	1230 / 1230	711 / 711	711 / 711	59 / 59
640 x 480	587 / 587	597 / 597	429 / 429	660 / 660	660 / 660	391 / 391	391 / 391	59 / 59
800 x 600	-	485 / 485	343 / 343	536 / 536	536 / 536	319 / 319	319 / 319	59 / 59
1280 x 720	-	409 / 409	286 / 286	451 / 451	451 / 451	270 / 270	270 / 270	59 / 59
1920 x 1080	-	-	190 / 190	277 / 306	276 / 306	184 / 184	184 / 184	59 / 59
2064 x 1544	-	-	-	183 / 216	182 / 216	130 / 130	130 / 130	59 / 59
2048 x 2048	-	-	-	-	139 / 164	99 / 99	99 / 99	59 / 59
2464 x 2056	-	-	-	-	116 / 163	99 / 99	99 / 99	59 / 59
4096 x 2160	-	-	-	-	-	66 / 94	66 / 94	59 / 59
4112 x 3008	-	-	-	-	-	-	47 / 68	32 / 32
5472 x 3672	-	-	-	-	-	-	-	26 / 26

ACCESSORIES

Part Number	Description
VICPWR	AC to 12V DC Power Adapter (Universal), for use if PoCXP not supplied
VICPWRI0	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 VICPWRI02
VICPWRI02	AC to 12V DC Power Adapter (Universal) with cable for VICLENSMOUNT-A
VICMOUNT	Tripod Mounting Plate, can be installed on all sides of camera

INDUSTRIAL COAXPRESS CAMERAS

SPECIFICATIONS

Camera Model	4B523	16B276	24A164	32B216	51B163	89B93	120B68	205R26	
Sensor	Sony IMX287	Sony IMX273	Sony IMX174	Sony IMX252	Sony IMX250	Sony IMX255	Sony IMX253	Sony IMX183	
Sensor Size (H x V)	720 x 544	1456 x 1088	1920 x 1200	2064 x 1544	2464 x 2056	4112 x 2176	4112 x 3008	5472 x 3672	
Max. Frame Rate (8 / 10 / 12-bit)	523 / 436 / 319	276 / 226 / 165	164 / 164 / 128	216 / 191 / 167	163 / 144 / 89	93 / 88 / 63	68 / 64 / 46	26 / 26 / 22	
Max. Single-Link Frame Rate	523 / 436 / 319	276 / 226 / 165	164 / 164 / 128	183 / 146 / 118	116 / 93 / 77	65 / 52 / 43	47 / 38 / 31	26 / 23 / 19	
Optical Format (Diagonal)	1/3" (6.3mm)	1/3" (6.3mm)	1/1.2" (13.4mm)	1/1.8" (8.9mm)	2/3" (11.1mm)	1" (16.1mm)	1.1" (17.6mm)	1" (15.9mm)	
Sensor Type	CMOS								
Shutter Type	Global Shutter							Rolling (Global Reset)	
Sensor Options	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				2.4 x 2.4µm	
Dynamic Range	76.5 dB	73.6 dB						72.0 dB	
SNRmax	43.2 dB	40.4 dB	44.8 dB	40.4 dB				41.8 dB	
Output Configurations	CoaXPress (v1.1), 1 or 2 links at 2.5Gbps (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	Up to 8				Not Supported	
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	GenICam or Victorem Control software								

MECHANICAL / ELECTRICAL

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

ORDERING

Example: 4B523MCX

Camera	Interface
4B523	CX - CoaXPress
Sensor Type	
M - Monochrome	
C - Color (with IR filter)	

DIAGRAMS

