

- VGA
- SVGA
- SXGA



CMOS	VGA Compact size High speed	SVGA Compact size High speed	SXGA Compact size High speed
Interface	CXP1 - CXP3 × 1lane	CXP1 - CXP3 × 1lane	CXP1 - CXP3 × 1lane
Model name (B/W) (Color)	VCC-VCP3M VCC-VCP3R	VCC-SVCP3M VCC-SVCP3R	VCC-SXCP3M VCC-SXCP3R
Sensor	PYTHON 300	PYTHON 500	PYTHON 1300
Sensor size	1/4 type CMOS	1/3.6 type CMOS	1/2 type CMOS
Unit cell size (μm)	4.8 μm × 4.8 μm	4.8 μm × 4.8 μm	4.8 μm × 4.8 μm
Effective pixels (H) × (V)	640 × 480	800 × 600	1280 × 1024
Resolution	VGA	SVGA	SXGA
Frame rate	269fps(CXP1), 537fps(CXP2), 537fps(CXP3)	193.2fps(CXP1), 386.3fps(CXP2), 386.3fps(CXP3)	84fps(CXP1), 167.8fps(CXP2), 167.8fps(CXP3)
Pixel clock	72 MHz	72 MHz	72 MHz
Shutter	OFF~1/10,000s	OFF~1/10,000s	OFF~1/10,000s
Lens mount	C mount	C mount	C mount
Dimensions (W) × (H) × (D) mm	29 × 29 × 29	29 × 29 × 29	29 × 29 × 29
Features	BNC connector, External trigger, Long distance transmission, Global shutter, ROI, Sub-sampling, Defective pixel correction, PoCXP, Sequence control function	BNC connector, External trigger, Long distance transmission, Global shutter, ROI, Sub-sampling, Defective pixel correction, PoCXP, Sequence control function	BNC connector, External trigger, Long distance transmission, Global shutter, ROI, Sub-sampling, Defective pixel correction, NIR model also available, PoCXP, Sequence control function

- 2M
- 5.3M



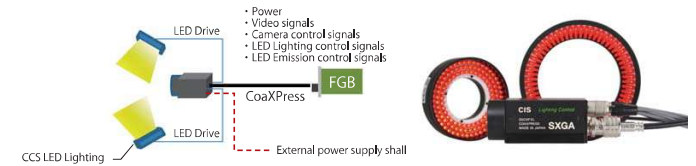
CMOS	2M High speed	5.3M High speed	2M High speed	5.3M High speed
Interface	CXP1 - CXP3 × 1lane	CXP1 - CXP3 × 1lane	CXP1 - CXP6 × 1lane	CXP1 - CXP6 × 1lane
Model name (B/W) (Color)	VCC-2CXP2M	VCC-5CXP2M	VCC-2CXP3M VCC-2CXP3R	VCC-5CXP3M VCC-5CXP3R
Sensor	PYTHON 2000	PYTHON 5000	PYTHON 2000	PYTHON 5000
Sensor size	2/3 type CMOS	1 type CMOS	2/3 type CMOS	1 type CMOS
Unit cell size (μm)	4.8 μm × 4.8 μm	4.8 μm × 4.8 μm	4.8 μm × 4.8 μm	4.8 μm × 4.8 μm
Effective pixels (H) × (V)	1984 × 1264	2592 × 2048	1920 × 1200	2592 × 2048
Resolution	2M	5.3M	2M	5.3M
Frame rate	41.7fps(CXP1), 84.5fps(CXP2), 84.5fps(CXP3)	21.3fps(CXP1), 42.6fps(CXP2), 42.6fps(CXP3)	45fps(CXP1), 90fps(CXP2), 90fps(CXP3), 180fps(CXP5-CXP6)	21.3fps(CXP1), 42.6fps(CXP2), 42.6fps(CXP3), 85.1fps(CXP5-CXP6)
Pixel clock	72MHz	72MHz	72MHz	72MHz
Shutter	OFF~1/10,000s	OFF~1/10,000s	OFF~1/10,000s	OFF~1/10,000s
Lens mount	C mount	C mount	C mount	C mount
Dimensions (W) × (H) × (D) mm	29 × 29 × 29	29 × 29 × 29	29 × 29 × 55	29 × 29 × 55
Features	BNC connector, External trigger, ROI, Shading correction, Defective pixel correction, PoCXP	BNC connector, External trigger, ROI, Shading correction, Defective pixel correction, PoCXP	BNC connector, External trigger, ROI, Sub-sampling, Defective pixel correction, Sequence control function, NIR model also available, PoCXP	BNC connector, External trigger, ROI, Sub-sampling, Defective pixel correction, Sequence control function, NIR model also available, PoCXP

- 12M
- 16M
- 25M
- 120M



CMOS	12M High speed	16M High speed	25M High speed	120M High Resolution
Interface	CXP6 × 4lanes	CXP6 × 4lanes	CXP6 × 4lanes	CXP3/6 × 4lane, 6 × 2 lane
Model name (B/W) (Color)	VCC-12CXP1M VCC-12CXP1R	VCC-16CXP1M VCC-16CXP1R	VCC-25CXP1M VCC-25CXP1R	VCC-120CXP1M VCC-120CXP1R
Sensor	PYTHON 12K	PYTHON 16K	PYTHON 25K	120MXSM
Sensor size	4/3 type CMOS	35mm CMOS	35mm CMOS	APS-H CMOS
Unit cell size (μm)	4.5 μm × 4.5 μm	4.5 μm × 4.5 μm	4.5 μm × 4.5 μm	2.2 μm × 2.2 μm
Effective pixels (H) × (V)	4096 × 3072	4096 × 4096	5120 × 5120	13280 × 9184
Resolution	12M	16M	25M	120M
Frame rate	162.76fps (CXP6 × 4lane)	124.67fps (CXP6 × 4lane)	81.83fps (CXP6 × 4lane)	9.4fps
Pixel clock	72MHz	72MHz	72MHz	72MHz
Shutter	1/30~1/30,000s	1/30~1/30,000s	1/30~1/30,000s	OFF~1/43,000s
Lens mount	M48 mount	M48 mount	M48 mount	M48 mount
Dimensions (W) × (H) × (D) mm	65 × 65 × 65	65 × 65 × 65	65 × 65 × 65	65 × 65 × 68
Features	DIN connector, Long distance transmission, Global shutter, ROI, Sub-sampling, Defective pixel correction, PoCXP supported	DIN connector, Long distance transmission, Global shutter, ROI, Sub-sampling, Defective pixel correction, PoCXP supported	DIN connector, Long distance transmission, Global shutter, ROI, Sub-sampling, Defective pixel correction, PoCXP supported, (2 × 2 binning option)	CANON 120MXSM (13280 × 9184), CoaXPress, Ultra-high Resolution, ROI, 120M 9.4fps at maximum speed processing, Strobe out, Long Time Exposure, PoCXP

Models with LED controller



The following products feature embedded LED controller, and up to 2 channels of LED and the camera can be powered and controlled via single BNC cable. The camera allows precise synchronization of the external LED light and image capture. Designed for use with CCS LED lightings.

Models with LED controller	VGA	SXGA	2M	5M
Interface	CXP1 - CXP3 × 1lane	CXP1 - CXP3 × 1lane	CXP1 - CXP6 × 1lane	CXP1 - CXP6 × 1lane
Model name (B/W) (Color)	VCC-VCP3ML VCC-VCP3RL	VCC-SXCP3ML VCC-SXCP3RL	VCC-2CXP3ML VCC-2CXP3RL	VCC-5CXP3ML
Sensor	PYTHON 300	PYTHON 1300	PYTHON 2000	PYTHON 5000
Sensor size	1/4 type CMOS	1/2 type CMOS	1 type CMOS	1 type CMOS
Unit cell size (μm)	4.8 μm × 4.8 μm	4.8 μm × 4.8 μm	4.8 μm × 4.8 μm	4.8 μm × 4.8 μm
Effective pixels (H) × (V)	640 × 480	1280 × 1024	1920 × 1200	2592 × 2048
Resolution	VGA	SXGA	2M	5.3M
Frame rate	269fps(CXP1), 537fps(CXP2), 537fps(CXP3)	84.3fps(CXP1), 168.5fps(CXP2), 168.5fps(CXP3)	45fps(CXP1), 90fps(CXP2), 42fps(CXP3), 180fps(CXP5-CXP6)	21fps(CXP1), 42fps(CXP2), 42fps(CXP3), 85fps(CXP5-CXP6)
Pixel clock	72MHz	72MHz	72MHz	72MHz
Shutter	OFF~1/10,000s	OFF~1/10,000s	OFF~1/10,000s	OFF~1/10,000s
Lens mount	C mount	C mount	C mount	C mount
Dimensions (W) × (H) × (D) mm	29 × 29 × 55	29 × 29 × 55	29 × 29 × 55	29 × 29 × 55
Features	BNC connector, External power supply shall be up to 46W, Sequence control (lighting can be controlled as well), PoCXP	BNC connector, External power supply shall be up to 46W, Sequence control (lighting can be controlled as well), PoCXP	BNC connector, External power supply shall be up to 46W, Sequence control (lighting can be controlled as well), PoCXP	BNC connector, External power supply shall be up to 46W, Sequence control (lighting can be controlled as well), PoCXP

(Please ask us for compatible CCS products.)