

JP-CISCORP-CXP Series



CIS Corporation is a manufacturer of industrial imaging systems. It focuses on development, manufacture and sale of high-quality industrial cameras for machine vision systems.

As area scan cameras with high speed and high sensitivity, CoaXPress cameras feature high speed frame rate, ultra high pixels resolution and sensors with large target surface, so they can meet your requirements on pixel, sensor and color. CoaXPress is an interface standard usually used in image systems with high performance, high speed and long distance data transmission. CoaXPress can transmit larger volume of data, its transmission distance is longer, it can realize low-delay and real-time data transmission, and it also has many other advantages.

- Compact housing and light weight; ultra-high operating speed and ultra-low power
- CoaXPress interface; C mount or M48 mount (F mount adapter)
- Maximum sensor size: APS-H
- Global shutter type CMOS sensor or rolling shutter type CMOS sensor
- Maximum pixels resolution up to 120M; Maximum frame rate up to 168.5fps
- Resolution range: 1.3M - 120M (both monochrome and color are available)
- External trigger mode (Fixed trigger shutter mode/Pulse width trigger shutter mode)
- ROI, sub-sampling, defective pixel correction, sequence control, etc.

Model	Resolution	Effective pixels	Unit cell size	Sensor size	Sensor	Color	Frame Rate (fps)	Shutter	Exposure Time	Interface	Lens Mount	Dimensions mm*mm*mm
VCC-VCCP5M/R	VGA	720×540	6.9×6.9	1/2.9"CMOS	Pregius IMX287	Mono/Color	583fps (at VGA), 523fps (CXP 3·8bit), 437fps (CXP 3·10bit), 320fps (CXP 3·12bit)	Global	50 μs	CXP3×1lane	C	29×29×29
VCC-SXCXP3M/R/NIR	SXGA	1280×1024	4.8×4.8	1/2"CMOS	PYTHON 1300	Mono/Color/NIR	168fps (CXP 3·8bit)	Global	100 μs	CXP1-CXP3×1lane	C	29×29×29
VCC-SXCXP3ML①						Mono						29×29×55
VCC-2CXP2M	2M	1984×1264	4.8×4.8	2/3"CMOS	PYTHON 2000	Mono	85fps (CXP 3·8bit/CXP 3·10bit)	Global	200 μs	CXP1-CXP3×1lane	C	29×29×29
VCC-2CXP6M/R	2M	1632×1248	4.5×4.5	1/1.7"CMOS	Pregius IMX422	Mono/Color	239fps (CXP 6·8bit), 195fps (CXP 6·10bit), 166fps (CXP 6·12bit), 120fps (CXP 3·8bit), 97fps (CXP 3·10bit), 83fps (CXP 3·12bit)	Global	15.2 μs	CXP3-CXP6×1lane	C	29×29×55
VCC-5CXP3M/R/NIR	5M	2592×2048	4.8×4.8	1"CMOS	PYTHON 5000	Mono/Color/NIR	85fps (CXP 6·8bit/CXP 6·10bit), 43fps (CXP 3·8bit/CXP 3·10bit)	Global	100 μs	CXP1-CXP6×1lane	C	29×29×55
VCC-12CXP1M/R	12M	4096×3072	4.5×4.5	4/3"CMOS	PYTHON 12k	Mono/Color	163fps (CXP 6·8bit), 130fps (CXP 6·10bit), 78fps (CXP 3·8bit), 69fps (CXP 3·10bit)	Global	33 μs	CXP1-CXP6×4lanes	M48	65×65×65
VCC-12CXP4M/R	12M	4096×3000	3.45×3.45	1.1"CMOS	Pregius IMX253	Mono/Color	65fps (CXP 6·8bit/10bit×2lanes), 32fps (CXP 6·8bit×1lane/CXP 6·10bit×1lane/CXP 3·8bit×2lanes/CXP 3·10bit×2lanes), 16fps (CXP 3·8bit×1lane·8bit/CXP 3·10bit×1lane)	Global	19.6 μs	CXP3-CXP6×1lane/2lanes	M42	55×55×30
VCC-25CXP1M/R/NIR/MBN	25M	5120×5120	4.5×4.5	APS-H CMOS	PYTHON 25k	Mono/Color/NIR	82fps (CXP 6·8bit), 65fps (CXP 6·10bit), 40fps (CXP 3·8bit), 34fps (CXP 3·10bit)	Global	33 μs	CXP1-CXP6×4lanes	M48	65×65×65
VCC-25CXPHSM/R	25M	5120×5120	2.5×2.5	1.1"CMOS	GMAX0505	Mono/Color	150fps (CXP12x 4·8bit), 141fps (CXP 12×4·10bit), 88fps (CXP6X 4·8bit), 68fps (CXP 6×4·10bit), 44fps (CXP12X 1·8bit), 35fps (CXP12X 1·10bit), 23fps (CXP 6×1·8bit), 18fps (CXP 6×1·10bit)	Global	6 μs-2s	CXP6/12×4lanes/1lane	M48	65×65×93.3/65×125×93.3 (heatsink sttached)
VCC-50CXP1M/R	50M	7920×6004	4.6×4.6	35mmCMOS	CMV50000	Mono/Color	30fps	Global	TBD	CXP3/6×4lanes, CXP12×2lanes	M58	75×75×85
VCC-120CXP1M/R	120M	13264×9180	2.2×2.2	APS-H CMOS	120MXSM	Mono/Color	9.4fps (CXP 3·8bit×4lanes/CXP 6·8bit×2lanes/CXP 6·8bit×4lanes/CXP 6·10bit×4lanes)	Rolling	50 μs	CXP3/6×4lanes, CXP6×2lanes	M48	65×65×68
VCC-25CXP1MPS/RPS	②	5120×5120	4.5×4.5	APS-H CMOS	PYTHON 25k	Mono/Color	81.8fps (CXP 6·8bitat25M), 11.1fps (CXP 6·8bitat100M), 2.7fps (CXP 6·8bitat400M)	Global	33 μs	CXP3-CXP6×4lanes	M48	65×65×93.3

①VCC-SXCXP3ML (with LED control) ②25M·100M·400M (Mono); 25M·25M (Equivalent to 3CMOS Truecolor) ·104M (Equivalent to 3CMOS Truecolor)