

XCG Series New Models

Digital Video Camera Module

IMAGE SENSING SOLUTIONS

The XCG Series from Sony incorporates the GigE Vision interface, which is especially standardised for machine vision and intelligent security applications based on GigabitEthernet technology.



XCG-U100CR
2Mega Raw Colour



XCG-5005CR
5Mega Raw Colour

XCG-H280E
2.8Mega B&W

Preliminary
brochure

XCG-U100CR - 2Mega Raw Colour

XCG-5005CR - 5Mega Raw Colour

XCG-H280E - 2.8Mega B&W



New models

		XCG-U100CR	XCG-5005CR	XCG-H280E
Sensor		High resolution, colour	Ultra-high resolution, colour	Full HD, B&W
	Progressive Scan IT CCD	1/1,8 type	2/3 type	2/3 type
	Cell Size (H) x (V)	4,4 x 4,4 μm	3,45 x 3,45 μm	4,54 x 4,54 μm
	Standard Picture Size (H) x (V)	1600 x 1200	2448 x 2048	1920 x 1080 (default) 1920 x 1440 (max)
	Frame Rate	27 fps	15 fps	32 fps @ 1920 x 1080
Applications		High-end Security and Factory Automation		

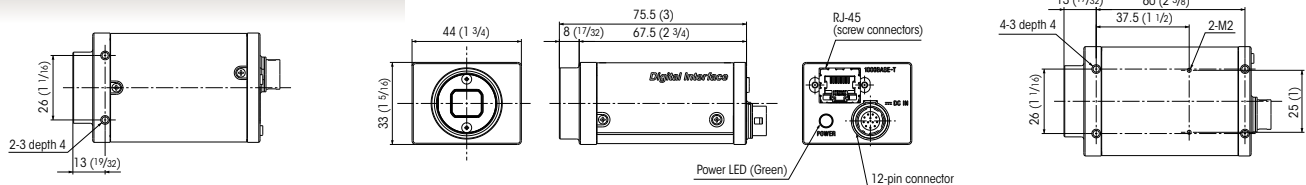
Specifications

Preliminary information

	XCG-U100CR	XCG-5005CR	XCG-H280E
	High resolution, colour	Ultra-high resolution, colour	Full HD, B&W
Image Device	1/1,8 type progressive scan IT CCD	2/3 type progressive scan IT CCD	2/3 type progressive scan IT CCD
Cell Size (H) x (V)	4,4 x 4,4 μm	3,45 x 3,45 μm	4,54 x 4,54 μm
Standard Picture Size (H) x (V)	1600 x 1200	2448 x 2048	"1920 x 1080 (default)
Resolution depth	8/10/12 bits /pixel (Raw data or B&W)		
lens mount	C mount		
standard frame rate	27 fps	15 fps	32 fps @ 1920 x 1080
Digital Interface	1000 BASE-T (GigE Vision compatible)		
Gain control	Manual (0 to +18dB) / Auto		
Shutter speed	Manual (2 to 1/100,000s)		
Readout mode	Normal / Partial Scan		Normal / Binning / Partial Scan
External trigger modes	Hardware/Software, Pulse-edge, Pulse-width, Special (Bulk/Sequential)		
Synchronisation, I/Os	2 inputs, 2 outputs (Trigger delay, Strobe control support)		4 inputs, 2 outputs (Trigger delay, Strobe control support)
Memory Channel	16 channels		
Special features	One Push White Balance / Manual		<ul style="list-style-type: none"> • Chunk data (trigger and frame counters, I/Os status, camera settings) • Internal Temperature Sensor • Memory shot
Operating temperature	-10° C ~ +50° C		
Power requirements	+12 Vdc (+10.5 to +15 Vdc)		
Dimensions : mm (W x H x D)	44 x 33 x 67.5		50 x 50 x 57.5

Dimensions Unit: mm (Inches)

XCG-U100CR & XCG-5005CR Models



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VISION

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