



XCGU100CR

1/1,8-type Progressive Scan IT CCD Raw Color GigE Camera

Pricing available upon request

UPC: 027242268883

Overview

Sony is expanding its high-performance XCG GigE camera line-up with the addition of the new high speed, raw color model – the XCG-U100CR. Featuring Full Progressive Scan, Complementary Color Mosaic Color Filter, and High Sensitivity, the new XCG-U1005CR high speed GigE camera is ideal for Intelligent Traffic, Machine Vision, and Industrial applications.

Highlights

- * Sony 1/1.8-type progressive scan IT CCD
- * GigE Vision Compliant (Ver 1.0)
- * Up to 15 fps
- * Variety of Trigger Modes
- * Power on LED settings
- * XML File (GenICam Compatible)
- * Two connectors: RJ-45 (locking -20mm pitch)
- * EIAJ -12 pin (power, trigger-in, strobe-out, isolated digital I/O)
- * Compact and Lightweight
- * High Shock and Vibration Resistance

Specifications

Camera Specifications	Detail
Binning	Vertical (1 x 2)
Cell Size	4.4 x 4.4 μm
Effective Pixels	1600 x 1200
Frame Rate	27 fps
Gain	Manual 0 to +18 dB Auto Gain
Image Device	1/1.8-type Progressive Scan IT CCD
Image Device Value	Complementary color mosaic
Lens Mount	C-mount
Memory Channel	16 channels for parameter settings
Output Image Size	1600 x 1200 pixels
Partial Scan	Vertical/Horizontal
Resolution	UXGA (1600 x 1200)
Sensitivity	2000 lx at F5.6 (0dB)
Trigger Shutter	2 to 1/10,000 s
General Specifications	Detail

Dimensions (W x H x D)	44 x 33 x 67.5 mm (1 3/4 x 1 5/16 x 2 3/4 inches)
Operating Humidity	20 to 80% (no condensation)
Operating Temperature	-10° to +50° C
Power Consumption	3.5 W
Power Requirements	DC +12 V (+10.5 to +15.0V)
Shock Resistance	70 G
Storage Humidity	20 to 95% (no condensation)
Storage Temperature	-30° to 60° C (-22° to 140°F)
Vibration Resistance	10G (20Hz to 200Hz)
Weight	145 g

Resources

Brochure

Description:	Release Date	Type/Size	
Brochure	09/01/2011	pdf / 271K	Download now