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XCG-H280E

Digital Video Camera Module

Preliminary Brochure

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-H280E 2.8Mega B&W

Specifications

	XCG-H280E Full HD, B&W
Applications	High-end Security and Factory Automation
Image Device	2/3 type progressive scan IT CCD
Cell Size (H) x (V)	4,54 x 4,54 µm
Standard Picture Size (H) x (V)	1920 x 1080 (default) 1920 x 1440 (max)
Resolution depth	8/10/12 bits /pixel (Raw data or B&W)
lens mount	C mount
standard frame rate	55 fps @ 1920 x 1080 in 8Bits / Pixel 45 fps @ 1920 x 1440 in 8Bits / Pixel
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 / Binning / Partial Scan
External trigger modes	Hardware/Software, Pulse-edge, Pulse-width, Special (Bulk/Sequential)
Synchronisation, I/Os	4 inputs, 2 outputs (Trigger delay, Strobe control support)
Memory Channel	16 channels
Special features	Internal Temperature Sensor, Memory shot
Operating temperature	-10°C ~ +50°C
Power requirements	+12Vdc (+10.5 to +15Vdc)
Dimensions	50 (W) x 50 (H) x 57.5 (D) mm

Features

- Excellent picture quality thanks to progressive scan CCD technology from Sony
- CCD read out supports Partial scan, Binning
- 8/10/12 bits / pixel (Raw data or B/W)
- Shutter Manual (2 to 1/100,000s)
- Gain control Manual (0 to + 18dB) /Auto
- 16 Memory Channels
- GigE Vision interface based on Gigabit ethernet 1000 BASE-T technology
- Packet resend mechanism
- Data transfer length up to 100m
- Advanced trigger modes (sequence, pulse width, delay)
- Fixed trigger latency (from hardware input to exposure start)
- Exposure output, digital inputs/outputs
- 1,024 Bytes User Memory

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