

HIGH DEFINITION, MULTI-INTERFACE IP CAMERAS

- Sony CCD and CMOS sensors
- HD-SDI and GigE Vision interfaces
- Simultaneous streaming
- Choice of camera control protocols

For advanced traffic and surveillance applications where traditional CCTV or analog quality is insufficient, system designers are relying more and more on machine vision cameras. The Zebra2 retains the technical advances inherent to high-end machine vision cameras while providing the flexibility to be used in a wide variety of traffic and surveillance applications.



Available Now	ZBR2-PGEHD-20S4C-CS	2.0 MP	Sony ICX274 CCD, 1/1.8", Color, Global Shutter	1624x1224	30 FPS	4.4 μm
Available Now	ZBR2-PGEHD-50S5C-CS	5.0 MP	Sony ICX625 CCD, 2/3", Color, Global Shutter	2448x2048	15 FPS	3.45 μm
A/D Converter	14 bit					
Video Data Output	8, 12, 16 and 24 bit digital data					
Image Data Formats	Raw8, Raw12, Raw16, RGB, YUV411, YUV422, MJPEG Image Compression					
Image Compression	MJPEG with multiple compression levels					
Partial Image Modes	HD-SDI supports standard SMPTE formats , RTSP/GVSP supports binned, reduced resolution for increased framerate					
Image Processing	Gamma, lookup table, hue, saturation, and sharpness					
Gain	0 dB to 24 dB, Automatic/Manual/One-Push Gain modes					
Gamma	0.50 to 4.00					
White Balance	Automatic/manual modes, programmable via software					
High Dynamic Range	Cycle 4 gain and exposure presets					
Color Processing	On-camera in YUV or RGB format, or on-PC in Raw format					
Digital Interface	Gigabit Ethernet 100/1000 BASE-T interface with screw locks for camera control and video (Power over Ethernet optional), HD-SDI up to 2.97 Gbit/s for video					
Transfer Rates	GigE 10/100/1000 Mbit/s; HD-SDI up to 2.97 Gbit/s					
Data Transport Protocols	GVSP, RTSP, HD-SDI					
GPIO	6-pin GPIO connector for trigger, strobe, and serial I/O. 1 opto-isolated input, 1 opto-isolated output, an RS-485 interface					
External Trigger Modes	IICDC Trigger Modes 0, 1, 3, 4, 5, 13, 14, and 15; external hardware or software trigger					
Synchronization	Via external trigger or software trigger					
Shutter	Global Shutter, 0.03 ms to >32 seconds (extended shutter mode) Automatic/manual/one-push extended shutter modes, programmable via software or synchronized to external trigger					
Image Buffer/Memory	32 MB frame buffer; Flash Memory 1 MB					
Memory Channels	2 memory channels for custom camera settings					
Dimensions and Mass	44 x 44 x 87.5 mm excluding lens holder and connectors (metal case), 150 grams (without optics or tripod mounting bracket)					
Power Consumption	8-30 V, <6 W, via 4-pin power connector or GigE interface					
Camera Specification	GigE Vision™ v1.2, Onvif™ v1.01, http, rtsp, udp, SMPTE 292M, SMPTE 424M					
Camera Control	via FlyCap SDK, third party software utilizing GigE Vision, Onvif, or RTSP					
Camera Updates	In-field firmware updates via Ethernet interface or via webpage					
Lens Control	DC Auto Iris					
Lens Mount	CS-mount with hand-adjustable back focal distance					
Temperature	Operating: 0° to 45°C; Storage: -30° to 60°C					
Emissions Compliance	CE, FCC, RoHS					
Operating System	Windows Vista or Windows 7					
Warranty	Two years					