

B2510

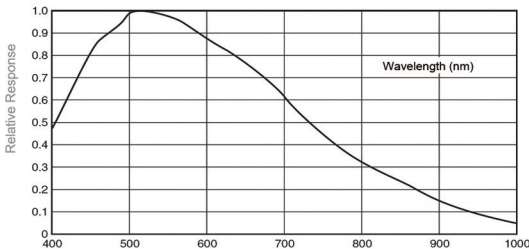


IMPERX: Technically superior products, full tech support, rapid-response customer care. "Bobcat 2.0" adds many new features, lens control, more memory and enhanced image quality. Each easy to use Bobcat is supported by IMPERX professionals.

INTERFACES AVAILABLE:

Resolution	Camera Link® Base (PoCL), GigE Vision, PoE, CoaXPress 2448 x 2050 (std.), 2456 x 2058 (max.)
Sensor	ICX-655, CCD
Sensor Format	8.47mm (H) x 7.10mm (V), 11.016mm diagonal 2/3" optical format
Pixel Size	3.45 µm
Frame Rate Standard Clock	40 MHz / 6.5 fps
Frame Rate Overclocked	64 MHz / 9.6 fps
Maximum Frame Rate	49 fps
Minimum S/N Ratio	53dB
Output Format	Mono CCD: 8, 10, 12, 14-bit (Single only) Color CCD: 8, 10, 12, RGB 24
Analog Gain Control	Manual, Auto: 0 - 36dB 1024 steps
Black Level Control	Manual, 1024 steps
Digital Gain and Offset	Manual
RGB Gain and Offset	Manual
White Balance	Manual, auto, off
Shutter Speed	1us/step, 1/80,000 to 1/11 sec (nom)
Exposure Control	Manual, auto, external
Long Integration	Up to 16 seconds
Regions of Interest (ROI)	7 ROIs, any line to any line, any pixel to any pixel
Binning H/V	1x, 2x, 3x, 4x, 8x (Independent for H & V)
Trigger Inputs	External (TTL via IN1/IN2), pulse generator, software, computer
Trigger Options	Level, edge, pulse width, internal exposure, up to 16 seconds trigger delay, debounce
Trigger Modes	Free-run, standard, double, fast, asynchronous, frame accumulation
Double Trigger (PIV) Interframe	Time: 200 nanoseconds
External Inputs/Outputs	2 IN, 2 OUT, user programmable
Strobe Output	2 strobes, programmable position and duration
RS232 Interface	Yes, programmable
Pulse Generator	Yes, programmable
Image Overlay	Optical center, programmable H & V lines
Image Enhancement	Threshold, contrast enhancement, knee correction, horizontal flip, negative image, bit shift (+/- 7 places)
Internal DDR Memory	2Gb (256 MB)
On Board FIFO (GEV & PoE)	1Gb (128 MB)
Gamma Correction	G=1.0, G=0.45, user upgradeable LUT
Data Corrections	Defective/hot pixel correction (static, dynamic), black level, vertical smear
Minimum Illumination	0.5 Lux, F/1.4
Lens Mount	C-Mount
Video Iris Control	Auto, programmable
Iris, Zoom Focus Control	Manual, user programmable
Supply Input Range	12VDC (10V - 15V), 1.5 A inrush
Power Consumption	CLB 2.6 W, GEV 4.0W, PoE 5.4W, CXP TBD
Size – Width/Height	46mm (W) x 46mm (H) – Applies to all interfaces
Size – Length	CLB 46.8mm (L), GEV 64.7mm (L), PoE 78.3mm (L), CXP 54.5mm (L)
Weight	CLB 159g, GEV 197g, PoE 299g, CXP 189g
Vibration, Shock	100g (20-200) HZ XYZ, 1000g
Environmental	-40°C to +85°C Operating, -50°C to +90°C Storage
Humidity	10% to 90% non-condensing
MTBF	>660,000 hours @ 40°C
Regulatory	FCC 15 part A, CE, RoHS

Monochrome with Microlens (Excludes lens & light source characteristics) ICX-655



Color with Microlens (Excludes lens & light source characteristics)

