

B1610



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
 Sensor
 Sensor Format

Pixel Size
 Frame Rate Standard Clock
 Frame Rate Overclocked
 Maximum Frame Rate
 Minimum S/N Ratio
 Output Format

Analog Gain Control
 Black Level Control
 Digital Gain and Offset
 RGB Gain and Offset
 White Balance
 Shutter Speed
 Exposure Control
 Long Integration
 Regions of Interest (ROI)
 Binning H/V
 Trigger Inputs

Trigger Options

Trigger Modes

Double Trigger (PIV) Interframe
 External Inputs/Outputs
 Strobe Output
 RS232 Interface
 Pulse Generator
 Image Overlay
 Image Enhancement

Internal DDR Memory
 On Board FIFO (GEV & PoE)
 Gamma Correction
 Data Corrections

Minimum Illumination
 Lens Mount
 Video Iris Control
 Iris, Zoom Focus Control
 Supply Input Range
 Power Consumption
 Size – Width/Height
 Size – Length

Weight
 Vibration, Shock
 Environmental
 Humidity
 MTBF
 Regulatory

Camera Link® Base (PoCL), GigE Vision, PoE, CoaXPress
 1620 x 1220 (std.), 1628 x 1236 (max.)

ICX-274, CCD

7.16mm (H) x 5.44 mm (V) 8.9mm diagonal
 1/1.8" optical format

4.40 μ m

40 MHz / 17 fps

64 MHz / 25 fps

210 fps

60dB

Mono CCD: 8, 10, 12, 14-bit (Single only)

Color CCD: 8, 10, 12, RGB 24

Manual, Auto: 0 - 36dB 1024 steps

Manual, 1024 steps

Manual

Manual

Manual, auto, off

1 μ s/step, 1/200,000 to 1/16 sec (nom)

Manual, auto, external

Up to 16 seconds

7 ROIs, any line to any line, any pixel to any pixel

1x, 2x, 3x, 4x, 8x (Independent for H & V)

External (TTL via IN1/IN2), pulse generator,
 software, computer

Level, edge, pulse width, internal exposure,
 up to 16 seconds trigger delay, debounce

Free-run, standard, double, fast, asynchronous,
 frame accumulation

Time: 200 nanoseconds

2 IN, 2 OUT, user programmable

2 strobes, programmable position and duration

Yes, programmable

Yes, programmable

Optical center, programmable H & V lines

Threshold, contrast enhancement, knee correction,
 horizontal flip, negative image, bit shift (+/- 7 places)

2Gb (256 MB)

1Gb (128 MB)

G=1.0, G=0.45, user upgradeable LUT

Defective/hot pixel correction (static, dynamic),
 black level, vertical smear

0.5 Lux, F/1.4

C-Mount

Auto, programmable

Manual, user programmable

12VDC (10V - 15V), 1.5 A inrush

CLB 2.6 W, GEV 3.9W, PoE 5.2W, CXP TBD

46mm (W) x 46mm (H) – Applies to all interfaces

CLB 46.8mm (L), GEV 64.7mm (L), PoE 78.3mm (L),

CXP 54.5mm (L)

CLB 158g, GEV 197g, PoE 300g, CXP 189g

100g (20-200) HZ XYZ, 1000g

-40C to +85C Operating, -50C to +90C Storage

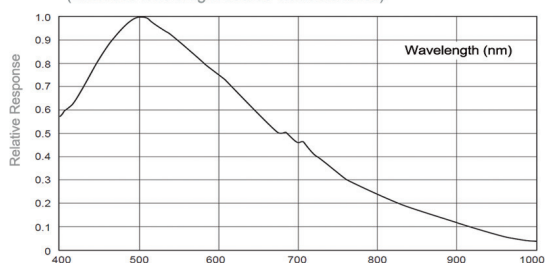
10% to 90% non-condensing

>660,000 hours @ 40°C (Telcordia SR-332)

FCC 15 part A, CE, RoHS

Monochrome with Microlens
 (Excludes lens & light source characteristics)

ICX-274



Color with Microlens
 (Excludes lens & light source characteristics)

