



BVC8360GC 5M 3CMOS Prism Area Scan Camera

BVC8360GC is a 3CMOS area scan camera which covers both visible and NIR bandwidth by 1/1.8 inch, 5M pixel global shutter CMOS sensors with newly designed spectroscopic prism inside. High frame rate readout is possible (90fps, at 5M pixel), binning and ROI are available.

C mount compatible with 10GigE interface.



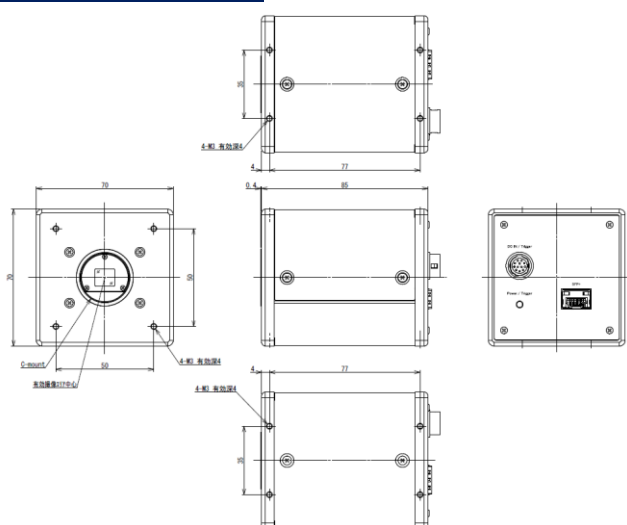
Key Features

- ◆ 3 different bandwidth image output (visible, NIR1, NIR2)
- ◆ 3x 5Mega pixels, 2.74 μ m size, Global shutter CMOS (Visible: Bayer CMOS, NIR1 & NIR2: B/W CMOS)
- ◆ Full resolution readout (90fps), binning mode (200fps, NIR output)
- ◆ Multi streaming
- ◆ Small size, light weight
- ◆ Precise shutter setting by 1 μ sec order
- ◆ Gain adjustment from 0dB to 24dB
- ◆ Partial scan readout (ROI) is available for faster capturing (105fps in 3.2M pixels)
- ◆ Flat Shading compensation, Image enhancement and LUT
- ◆ Internal mode or external trigger mode
- ◆ 3 electric shutter mode (No Shutter mode, Shutter Select mode, Pulse width)
- ◆ 10GigE Vision
- ◆ GeniCam standard

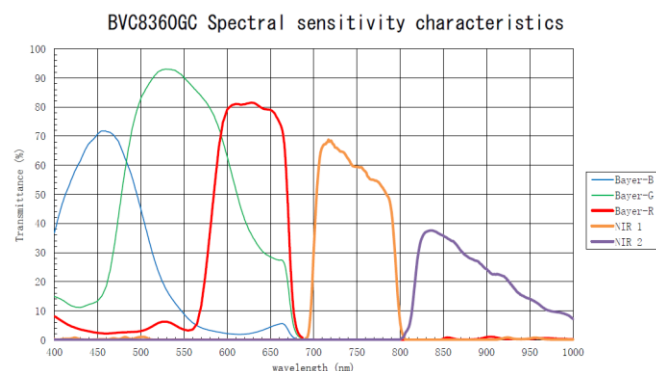
Specifications

Item & Function	BVC8360GC	
Optical system	3 channels dichroic prism	
Image sensor	Bayer CMOS x1	1/1.8-inch Global shutter, 2.74μm, Progressive scan CMOS
	B/W CMOS x2	
Sensor effective pixel	2448(H) x 1840(V), Pixel size 2.74μm square pixel	
Synchronization	Internal or External trigger	
Frame rate	Full pixels mode : 2448(H) x 1840(V) 90fps (max) ROI : 2048(H) x 1536(V) 105fps (max)	
Image output	10GBase-R(SFP+), GigE Vision2.0	
Standard sensitivity	Full readout: 2000 lx (F8.0, Shutter 1/45s, Gain 0dB, G-sig.)	
S/N	8bit gradation (More than 48dB)	
Partial scan (ROI)	Partial scan (setting unit: 8pixel) Width 80 ~ 2448 / Offset X: 0 ~ 2368 Height 80 ~ 1840 / Offset Y: 0 ~ 1760	
Electronic shutter	Range: 10μs ~ frame cycle, 1μsec step	
Gain	G-sig.: 0dB ~ +24dB, R/B-sig.: -6dB ~ +30dB	
Auto white balance	One push, R/B-sig. gain adjustment range: -6dB ~ +30dB	
Black level	R/G/B 0LSB ~ 127LSB (corresponds to 8bit)	
LUT	Arbitrary setting by customer (LUT)	
Trigger input	GPIO Trigger in	
Electronic shutter mode (Exposure Mode)	1. No Shutter mode (Internal trigger) 2. Shutter Select mode (Internal/External trigger) 3. Pulse Width Control (External trigger)	
Shading compensation	ON/OFF function	
Communication interface	Gigabit Ethernet (10GBase-R SFP+), GeniCam	
Lens mount	C mount	
Power supply	DCIN (Hirose12pin)	
Input voltage / Current consumption	DC 10V~26.4V, Typical TBD / Max. TBD (at DC12V)	
Operating temperature / Humidity	TBD	
Storage temperature / Humidity	-25°C ~ +60°C / 20%~80% (non-condensing)	
Dimensions (W x H x D)	70 x 70 x 85 mm (excluding protrusion)	
Weight	420g	

Dimensions



Optical Response



Specifications are subject to change without prior notice.

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