

QXGA/QXGA SWIR Camera ABA-052VIR/ABA-032VIR

Model : ABA-052VIR / ABA-032VIR

Visible to SWIR covering

5MP/3MP InGaAs Sensor

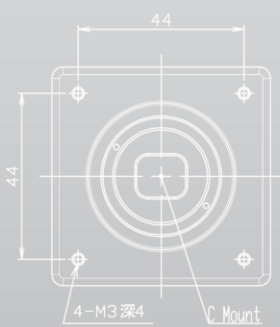
Hi-resolution & Hi-quality Camera

Under Development

- Sony InGaAs Area Sensor
- Covering 400nm~1700nm (Visible ray to SWIR ray)
- Resolution
ABA-052VIR : 2560 × 2048, Pixel pitch 3.45 μm
ABA-032VIR : 2048 × 1536, Pixel pitch 3.45 μm
- Frame Rate
ABA-052VIR : up to 131.9fps
ABA-032VIR : up to 173.4fps
- Interface: 10GigE (Up to 10Gbps), CXP(CXP-6 Dual)
- PoE+/PoCXP supported
- Various calibration : PRNU, DSNU, Shading, Defect pixel
- F/W Field upgrade
- Software Development Kit : SDK-Acap TransFlyer
(Camera Control & Image acquisition
GenICam, GenTL)



10GiGE VISION **CoaxPress**
GEN<I>CAM



ABA-052VIR/ABA-032VIR

■ Specification

Model	ABA-052VIR-GE	ABA-052VIR-CXP	ABA-032VIR-GE	ABA-032VIR-CXP
Sensor	Effective pixel : 2560(H) × 2048(V) Pixel size : 3.45μm × 3.45μm Effective image size : 8.83mm × 7.07mm		Effective pixel : 2048(H) × 1536(V) Pixel size : 3.45μm × 3.45μm Effective image size : 7.07mm × 5.3mm	
Interface	10Gigabit Ethernet (10GBASE-T)	CoaXPress (CXP-6 Dual)	10Gigabit Ethernet (10GBASE-T)	CoaXPress (CXP-6 Dual)
Spectral Range	400nm ~ 1700nm			
Pixel Clock	74.25MHz Date rate 18.5625MHz			
Frame Rate	8bit	131.9 FPS(max)	131.9 FPS(max)	173.4 FPS(max)
	10bit	102.4 FPS(max)	120.8 FPS(max)	158.9 FPS(max)
	12bit	70.9 FPS(max)	70.9 FPS(max)	93.2 FPS(max)
Exposure Time	8bit: 4μsec ~ 10msec (Setting Range : 4μsec ~ 9.99sec) 10bit: 4μsec ~ 10msec (Setting Range : 4μsec ~ 9.99sec) 12bit: 7μsec ~ 10msec (Setting Range : 7μsec ~ 9.99sec)			
Shutter	Global Shutter			
Pixel Clock	74.25MHz			
S/N Ratio	54dB			
Gain	0dB ~ +12dB (Setting Range : 0dB ~ 30dB)			
Black Level	0LSB ~ 127LSB Variable (When 10bit)			
Functionalities	Status LED, Sensor Cooler(TEC), External Trigger, Various Calibration (DSNU, PRNU, Defect pixel, Shading), ROI, Binning, Field Upgrade, etc.,			
Output Format	8 / 10 / 12bit			
Synchronization	Internal Sync			
Power	Input voltage : DC +12V ~ +24V±1V PoE+ PoCXP : DC+18.5 ~ +26V Power consumption : TBD ※ DC+12			
Lens Mount	C mount 2/3 inch			
Peltier setting range	-30°C ~ +60°C (Default : 15°C)			
Operating Temp. / Humidity	+0°C ~ +45°C / 20 ~ 80% (Non-Condensing)			
Storage Temp. / Humidity	-15°C ~ +65°C / 20 ~ 80% (Non-Condensing)			
Dimension	53(W)x58(H)x75(D)mm (Excluding mount and connector part)			
Weight	400g			
Compliance	RoHS2, CE in preparation			
Camera Upgrade	SDK-TransFlyer TConfigurator			
Software Development Kit	Image acquisition / Data communication : SDK-Acap TransFlyer GigE Vision (c) GenICam™ GenICam™ GenTL Compliance			

Rear View (I/F)

