

Area Camera

搭载5.2MP尺寸的InGaAs传感器，
可从可见光到短波红外波段实现高分辨率和高精细成像。

5.2MP 短波红外线面阵相机 ABA-052VIR

与以往的短波红外相机相比，「ABA-052VIR」的像素尺寸缩小了约52%，
而有效像素数量则为传统产品的4倍。

在显微镜等高倍率环境下进行成像时，能够获得更高精细度的图像，
并且与传统产品保持相同像素分辨率的情况下，可以实现更宽广的视野，
有助于缩短检测和测量所需的节拍时间。



ABA-052VIR Specification

Model		ABA-052VIR-GE	ABA-052VIR-CXP
Image sensor		Effective pixel : 2560H×2048V Pixel size : 3.45μm×3.45μm Effective image size : 8.83mm×7.07mm, TEC1 cooling system	
Interface		10Gigabit Ethernet (10GBASE-T)	CoaXPress (CXP-12 Single)
Sensitivity wavelength		400nm ~ 1700nm	
Pixel clock interval		74.25MHz	
Frame rate	8bit	130.9 fps (max)	130.9 fps (max)
	10bit	85.8 fps (max)	120.8 fps (max)
	12bit	70.9 fps (max)	70.9 fps (max)
Exposure time	8bit	8μsec~10msec (SettingRange : 8μsec~9.99sec)	
	10bit	8μsec~10msec (SettingRange : 8μsec~9.99sec)	
	12bit	13μsec~10msec (SettingRange : 13μsec~9.99sec)	
Shutter mode		Global shutter method	
S/N		47dB	
Gain		0dB~+12dB (Setting Range : 0dB~30dB)	
Black level		0LSB~127LSB adjustable (10bit)	
Main function		Status LED, internal cooling mechanism, external trigger, various corrections (DSNU, PRNU, pixel defect, shading), ROI, binning, and field upgrade function.	
Image output		8 / 10 / 12bit	
Power		Input voltage range : DC +12V~DC +24V±1V PoCXP : DC+18.5V~+26V Power consumption : 13W(Typ) ※When using external DC +24V power supply	
Lens mount		C-mount 2/3 inch	
Operating temp / humidity		+0℃~+45℃ / 20~80% (non-condensing)	
Storage temp / humidity		-15℃~+65℃ / 20~80% (non-condensing)	
Peltier setting temperature		-30℃~+60℃ factory setting 15℃	
Dimension		58 (W) × 58 (H) × 75 (D) mm (Excluding mount and protruding parts)	
Weight		430g	
Compliance		RoHS2	
Specification		GigE Vision®, GenICam™, GenICam™ GenTL Compliance	
Camera update tool		SightCam	
Compatible cable		CAT6A-compatible LAN cable	CoaXPress microBNC cable
SDK		For imaging / communication : SDK-AcapLib2 (Model : AZP-ACAP-02)	

External dimensions

