

感应波段范围: 950nm 至 1700nm

采用 InGaAs 512 像素线阵传感器

短波红外线线阵相机

ABL-005IR

ABL-005IR是一款短波红外 (SWIR) 相机,

采用512像素、像素尺寸为25微米的InGaAs线阵传感器,

对950nm至1700nm波段具有良好的感应度。

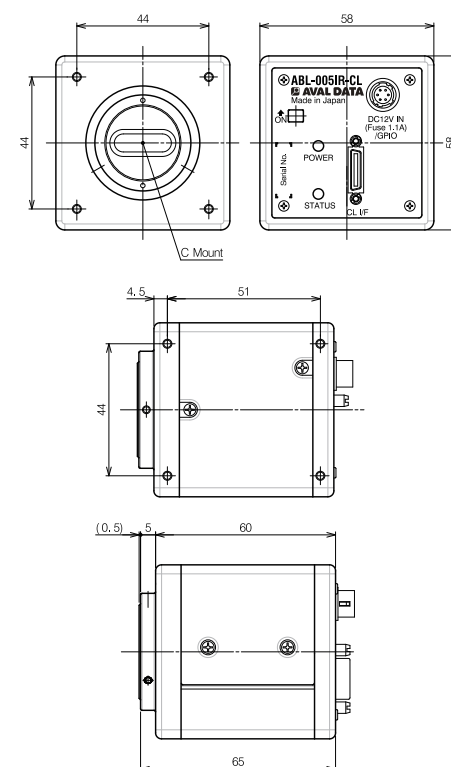
该产品具有出色的性价比, 适合导入至工厂等场所的检测设备中。



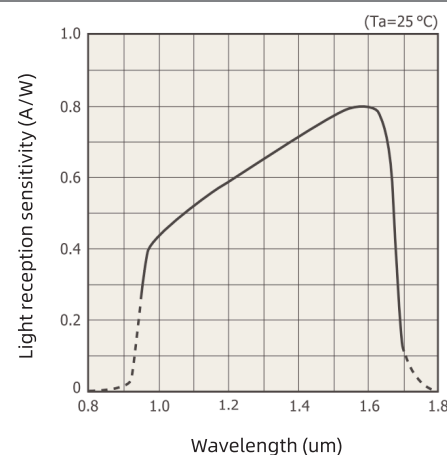
ABL-005IR Specification

Model	ABL-005IR-CL	ABL-005IR-GE
Interface	Camera Link (SDR)	Gigabit Ethernet (1000BASE-T)
Image sensor	Effective pixel : 512 Pixel size : 25μm×25μm InGaAs line sensor Effective image size : 12.8mm x 0.025mm, Non-cooling system	
Sensitivity wavelength	950nm~1700nm	
Pixel clock interval	5MHz	
Frame rate	8.13KHz (MAX) / Exposure time 10μs	
Exposure time	10μs~1ms	
Read noise	Standard sensitivity mode : 160 nV/e-, High sensitivity mode : 930 nV/e-	
S/N	58dB	
Gain	0dB~-12dB	
Black level	0 LSB to 127 LSB adjustable (10bit)	
Main function	Status LED, external trigger, various corrections (DSNU, PRNU, pixel defect, shading), field upgrade function	
Image output	8 / 10 / 12 bit	
Power	Input voltage range : DC +12V ±1V Power consumption : 4W	
Lens mount	C-mount 1 inch	
Operating temp / humidity	0°C ~ +40°C / 20 ~ 80% (non-condensing)	
Storage temp / humidity	-20°C ~ +70°C / 20 ~ 80% (non-condensing)	
Dimensions	58mm×58mm×60mm (Excluding mount and protruding parts)	
Weight	300g	278g
Compliance	RoHS2, CE	
Standard	HyperTerminal or compliant software	GigE Vision®, GenICam™, GenICam™ GenTL
Camera update tool	SightCam	
Compatible cable	Camera Link SDR cable	CAT5E, CAT6 compatible LAN cable
SDK	For imaging / communication : SDK-AcapLib2 (Model : AZP-ACAP-02)	

External dimensions



Light reception sensitivity



Back side

Camera Link



GIG E

