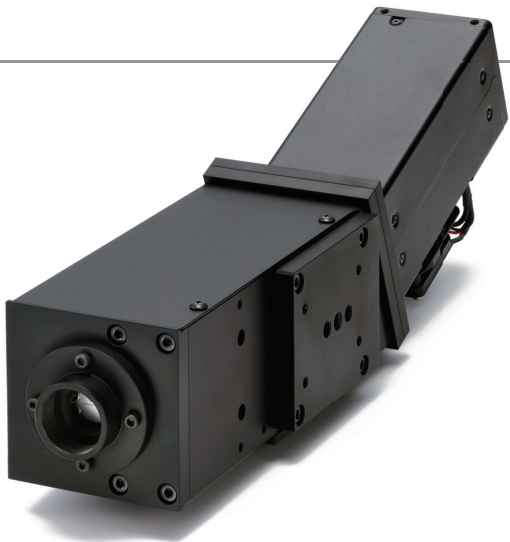


Hyperspectral Camera

支持非破坏性成像的光谱分析

QVGA 高光谱成像相机 AHS-001MIR

这是一款可同时获取XY坐标的二维空间信息与波长轴数据（光谱信息）的相机。AHS-001MIR 通过320像素的线阵，对1300nm~2150nm的波段进行光谱分离，并以256个波段获取完整的光谱信息。



AHS-001MIR Specification

Model	AHS-001MIR-CL	AHS-001MIR-GE
Image sensor	Effective pixel : 320H (Spatial)×256V (Spectral) Pixel size : 20μm×20μm InGaAs sensor, 2-stage electronic cooling	
Sensitivity wavelength	1300nm~2150nm	
Spectral resolution	9.84nm *Theoretical value	
Interface	Camera Link(SDR)	Gigabit Ethernet (1000BASE-T)
Spectral dispersion	196.1nm / mm	
Operating method	Push-broom method (line scan method)	
Lens mount	C-mount 1/2 inch	
Frame rate	507 fps (max) / with an exposure time of 1 μsec	
Exposure time	1us~1ms	
Gain	×1~×4 (about 0dB ~ +12dB)	
Black level	0LSB~127LSB Reversible (10bit)	
Main function	Status LED, external trigger, various corrections (DSNU, PRNU, pixel defects, shading), field upgrade function	
PRNU	Brightness correction for pixel-level non-uniformity	
DSNU	Darkness correction for pixel-level non-uniformity	
Shading correction	Internal / external synchronization	
Image output	8 / 10 / 12 / 14 bit	
Power	Input voltage : DC12V ±1V / Cooling unit DC12V ±1V Power consumption : 18W (typ) / Cooling unit 29.6W (typ)	
Peltier setting temperature	Operating temperature range: -30° C to +60° C, with default setting at 0° C at the time of shipment (to be used within the operating temperature range).	
Operating temp / humidity	+5°C~+30°C / 20~80% (non-condensing)	
Storage temp / humidity	-5°C~ +60°C / 20~80% (non-condensing)	
Dimension (DxWxH)	80.5mm×115mm×360mm (Excluding mount and protruding parts)	
Weight	2100g	
Compliance	RoHS2	
Standard	Hyper terminal or standard software	GigE Vision®, GenICam™, GenICam™ GenTL
Camera update tool	SightCam	
SDK	For imaging / communication : SDK-AcapLib2 (Model name : AZP-ACAP-02) HySight : Viewer for hyperspectral cameras	

External dimensions

