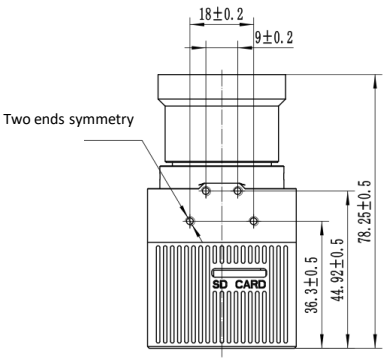
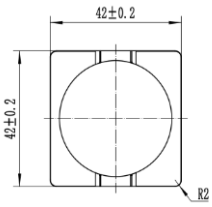
ZX-IRA Series Cameras





Introduction

Supporting the input of visible light signal and presenting in PIP, ZXIR is a series of infrared cameras with no mechanical shutters that are superior to most competitors in aspects of contrast, resolution and sensitivity of imaging as well as some other performance indexes. Target tracking function has been incorporated into the information processor of ZXIR series infrared cameras and therefore, make ZXIR a highly integral designed product of thermal imaging and visual tracking in a functional level, which can be installed in UAV photoelectric pod for positioning various targets both precisely and quickly.

Features

- Auto target tracking
- Non shutter design (NUC)
- Support picture-in-picture display
- Support On-screen-display (OSD)
- Temperature measurement (optional)
- Video recording
- Small in size, light in weight

Parameter

Module #		ZX-IRA26-5-DF190-G	ZX-IRA26-6-DF190-G	ZX-IRA26-8-DF190-G
Imaging index	Working system	Un-cooled long wave (8μm ~ 14μm)		
	Detector pixels	640×480		
	Pixel size	17μm		
	Focusing	Athermalizing		
	Emissivity correction	Emissivity 0.01~1 adjustable		
	NETD	≤50mK（@25℃）		
	MRTD	≤500mK（@Characteristic frequency）		
	Image enhancement	Automatically adjusts image brightness and contrast		
	Color palette	Black hot, white hot, pseudo color		
	Automatic non-uniformity correction function	Yes（without shutter）		
	Digital zoom	2X 3X 4X		
	Temperature measurement mode （Optional）	Temperature bar (pseudo display) Highest Temp Lowest Temp and field center temperature		
	Temperature warning (Optional)	Warning temperature 0℃ ~ 120℃		
Tracking index	Data refresh rate	25Hz or same with Sony RGB camera		
	Output lag	< 10ms		
	Tracking velocity	±32 pix/frame		
	Target size	16x16 pixels to 128*128 pixels		
Environmental adaptability	Working temperature	- 40℃～ 60℃		
	Storage temperature	- 40℃～ 65℃		
	Shock	Meet the GJB 150A vibration test conditions		
	Strike	Meet GJB 150A impact test conditions		
Electrical interface	Communication interface	TTL		
	Video input	LVDS (coaxial 30pin)	LVDS (coaxial 30pin)	LVDS (coaxial 30pin)
	Video output	HDMI micro, Ethernet	LVDS (coaxial 30pin), Ethernet	SDI, Ethernet
	Video format	HD 1080P; JPEG and H.264 for SD card storage		
	Power input	DC 12V		
Others	Lens	19mm(default), 25mm, 50mm		
	Size of device	77.3mm x 42mm x 42mm		
	Weight	< 155g		
	Power consumption	≤4.6W（@25℃ with Sony RGB camera）		