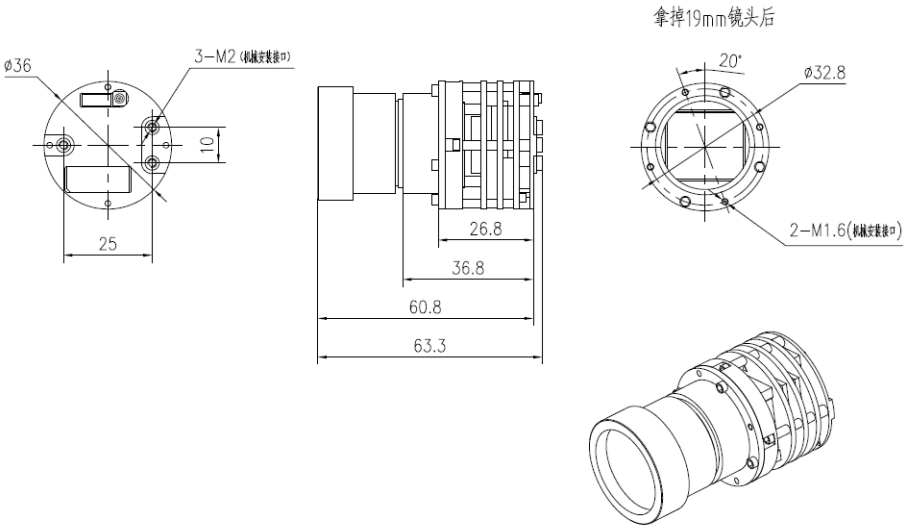
Introduction

Adopting Lynred Gen2 detector inside, ZXG2 thermal camera achieves better image qualities based upon NUC, detail enhancement algorithm and digital filtering noise reduction. In addition, the camera supports customized lens holders with standard optical interfaces that largely eases secondary development for industrial applications such as unmanned aerial vehicles, automation, security & protection monitoring, sighting telescopes etc.

Features

- High image quality
- Shutter free (NUC)
- Pseudo color display
- Various communication interfaces
- Small in size, light in weight
- USB\Ethernet output



Parameters

Module		ZX-IRA23-1-DF190	ZX-IRA26-1-DF190
Performance Index			
Detector		A-Si Un-cooled FPA detector	
Resolution		384*288	640*480
Pixel Size		17um	
Spatial Resolution (IFOV)		0.89mrad (with 19mm prime lens)	
Frame Frequency		50Hz	30Hz
Response Waveband		8～14um	
NETD		≤50mK（@25℃）	
MRTD		≤500mK（@Characteristic frequency）	
Image Adjustment			
Display Control		Automatically adjusts image brightness and contrast	
Color Palette		Black hot/white hot	
Pseudo Color		Yes (10 types)	
Cross Curve		Display/blank/shift	
Digital Zoom		1.0-4.0X（step 0.1）	
Image Processing		Non Uniformity Correction (no shutter)	
		Digital filtering noise reduction	
		Digital filtering enhancement	
Mirror Image		left-right/up-down/diagonal line	
Temperature Measurement			
TM Mode		Temperature bar (pseudo display) HT/LT/field center temperature	
Temperature Alarm		Alarming range 0℃～120℃	
Accuracy		±2℃	
Power Supply			
Range		DC 5-16V	
Power Consumption@25℃		<2.0w	
Interface			
Video Output	Analog	PAL/NTSC	
	Digital	USB:YUY2	
		Ethernet:H.264	
		BT656	
SCI		RS232	
Physical Characteristics			
Weight		<100g	
Size (without lens)		Φ49*38.3	
Lens		19mm (Standard Option)	
Environmental Adaptability			
Working Temperature		-40℃～60℃	
Storage Temperature		-40℃～65℃	