

Technical Specifications

Item		Technical Parameters	
		BC2036-PTC	
Detector	Type	Uncooled focal plane micro-heat type	
	Pixel	160×120	384×288
	Pixel interval	25μm	
	Wavelength coverage	8-14μm	
	Sampling frequency	50Hz	
	Thermal sensitivity	0.06°C @30°C	0.04°C @30°C
Lens	Angle of View Field	25°×19°	
	Min. object dimension	10cm	
	Focusing mode	Manual focusing	
	Interface mode	Bayonet connection	
Figure Performance	Spatial Resolution	2.72mrad	1.36mrad
	Visible light camera	1.3 megapixel CMOS module set with two built-in LED fill lights	3.2 megapixel CMOS module set with two built-in LED fill lights
	Frame frequency	50HZ/60HZ, optional	
	Video Output	PAL / NTSC, optional	
Figure Display	LCD	3.5" TFT LCD, 640×480, color, with touch screen	
	Pallet	11 optional pallets	
	Figure display	Infrared image and visible image can be switched quickly, and fusion of infrared image and visible image is available	
	Image Adjustment	Auto / manual adjustment of contrast, brightness, Auto Enhance mode	
Measurement	Temperature Measurement Range	+20°C~+50°C	
	Temperature Measurement Accuracy	0.3°C standard external black body	
	Temperature Measurement Correction	Automatic (short duration, long duration, customize duration) / manual	
	Measurement mode	Full screen maximum temperature tracking, temperature alarm (sound, color)	
	Radiance correction	0.01 to 1.0 adjustable (0.01 increments), or select from a predefined material list	

	Background temperature correction	Automatic
	Atmospheric transmittance correction	Automatic, subject to the input distance, ambient humidity and ambient temperature
	Setup function	Date / time, temperature in °C / °F / K, language, contrast / brightness, LCD backlight, IP address
Figure Saving	Memory Card	8GB Micro TF card, max. supportability 32GB
	Saving Mode	Manual / automatic saving; single frame infrared image, infrared and visible light correlated image, infrared and visible light fusion image; infrared video, infrared and visible light fusion video.
	Thermal Image Format	JPEG format, with original infrared measurement data H.264 Format
	Visible light image format	JPEG format, H.264 format, including fusion
	Audio annotation	60 seconds (saved along with image)
	Text annotation	Optional at local machine; can be uploaded
	File Directory	Optional at local machine; can be uploaded
Power System	Battery	Rechargeable, replaceable lithium batteries
	Working Time of Battery	Continuous operation for over 4 hours (50% LCD brightness, LED light is off)
	Charging Mode	Charging or random charging by smart charger (AC power adapter or 12V on-board power supply)
	Charging Time	Random charging for 1.5 hours to reach 50% capacity
	Power saving mode	Auto sleep, auto power-off
Interface	Memory card slot	Micro SD (TF) card mount
	Power Port	With (DC12V)
	Video Output	Yes
Other	Microphone	Built-in
	Buzzer	Built-in
	Tripod connections	1/4"-20-UNC
	Hand strap	Can be installed on both sides
	Lens cap	Yes
	Sun shade	Available, optional
Environment Parameter	Work Temperature	0°C- +40°C
	Saving Temperature	-40°C- +70°C
	Humidity	≤95% Non-Condensing
	Level of Protection	IP54
	Shock resistance	25G, IEC68-2-29
	Vibration resistance	2G, IEC68-2-6
	Falling	2 meters
Physical	Outline Dimension	105x230x245mm
Features	Weight	980g