

IPT640H (5.9mm)

640*512(5.9mm) IPT VOx High-Temperature Thermography Network Camera Module

- Smart functions: Hot and cold tracking, full-screen point temperature measurement, information query and export
- Thermal: 640*512(5.9mm), 12μm,VOx uncooled detector
- Temperature measurement at user-defined points, lines, and areas
- Measuring temperature range: -20°C to 150°C,100 °C to 550 °C ;
Max (±2 °C, ±2%)



Technical Specifications

Thermography	Image Sensor	Uncooled vanadium oxide
	Resolution	640x512
	Pixel Interval	12μm
	Response Waveband	8μm ~ 14μm
	NETD	≤50mK@30°C
	Focal Length	5.9mm
	Field of View	81°x63°
	Frame Rate	25fps
	Min. Focusing Distance	0.3m
	Measuring range	-20°C~150°C, 100°C~550°C
	distance of temperature meas	0.3m~7.5m
	Palette	Supports 26 adjustable false colors: White Hot, Black Hot, Iron Red, Lava, Hot Iron, Rainbow 1, Rainbow 2, Rainbow 3, Tracing 1, Tracing 2, Tracing 3, Ice Fire, anti-ice Fire, Layering, Dark Brown, Green Hot, Blue Hot, Winter, Highlight, Amber, Arctic, Medical A, Medical B, Medical C, Medical D, Human screening
	IFOV	2.03
	Temperature Measurement Acc	±2°C or ±2%
Video and Audio	Main Stream	640x512
	Maximum Preview Paths	10
	Video Compression	H.264
	Audio Compression	ACC
	Image Encoding Format	JPEG
	Digital Zoom	/
	NUC	YES
	Correction	Shutter Correction
	Brightness & Contrast Adjustm	YES
	3D DNR	YES
	DDE	YES
	DPC	YES
	Mirror	YES

Smart Function	Temperature Measurement	Support point, line, area temperature measurement, area support circle, square and irregular polygon, up to 21 temperature measurement objects can be added
	Intelligence	Hot and cold tracking, full-screen point temperature measurement, information query and export
Network	Protocols	TCP/IP, IPv4, HTTP, RTSP, DHCP, ONVIF, Modbus
	API	Development method supporting software integration SDK/API, ONVIF
	Network Storage	16G EMMC
	Web Browser	Chrome 80+, Firefox 70+, Edge 80+. Internet Explorer is not supported
Interface	Alarm In/Out	1 Out
	Audio In/Out	/
	Communication Interface	10/100M Ethernet interface, 1 RS485
	Analog Video Output	/
Focus and Zoom	Focus	Electric / Automatic
	Auto Focus Duration	≤2S
General	Menu Language	English, 简体中文
	Power Supply	DC12V±25%
	Power Consumption	≤2.5W
	Working Temperature/Humidity	-25°C~60°C, 5%~95%, non-condensing
	Product Dimension	≤79.7mm × 44mm × 42mm
	Net Weight	≤215g
	Package Dimension	265mm × 125mm × 102mm
	Storage Temperature	-40°C~80°C