Guide sensmart

IPT640

On-line Thermograhpic IR Camera

Introduce

IPT series is a IP themal camera with outstanding performance and high sensivity. Ultilizing uncolled infrared detector,it is compact,lightweight and reliable. IPT series is developed based on a common interface protocol,   the powerful software and easy-to-use SDK make it easy to integrate.

Features and Benefits

- Excellent imaging performance with high resolution of 640×480
- Easy communication via Gigabit Ethernet
- Free professional control software and SDK
- Provide SDK for LINUX and WINDOWS system,including rich interface function for integation
- Simple for on-site use, supporting auto focus and motor locating

Application

Industrial measuring of temperature / Industrial automation / Scientific research / Integration of UAV, robot or optoelectronic system

Specifications

IPT640	
Imaging Performance	
IR resolution	640×480
Spectral Range	8~14µm
Pixel size	17µm
NETD	≤60mk
Lens	
FOV/Focal length	30°×23°/20mm
Focus	Electric/ Automatic
Measurement Features	
Temperature range	-20℃-150℃
Accuracy	±2℃ or ±2% of reading for ambient temperature 15℃ to 35℃
Ethernet	
Function	wireless Communication and control
Ethernet Type	1000Mbps
Video Streaming	25Hz Y8+（0Hz~25Hz）Raw data Y16
Protocol	RTSP.UDP.HTTP
IP distribution	STATIC IP
Networking mode	Directly connect to the computer for Y16 of no lower than 16Hz; connect via LAN (up to 32 sets)for Y16 of no lower than 16Hz.observe 9 sets synchronously .
SDK	
Systems	WINDOWS/LINUX
Palette	8
Bit transmission	Support compressed video
Video presentation	Support decoded video
IP setting	IP address query. modify. and store
Video Recording	IR video (compressed video) without temp. info
Photo shooting	IR image of JPG with temp. info
Motorized focus control	Near focus , far focus , auto focus
Focus motor locating	setting and locating the focus motor
Auto-reconnect	Yes
Shutter	Shutter control interface
Frame rate setting	Frame rate setting of Y16（0Hz~25Hz）
Power system	
Typical voltage	12V
Environmental Parameters	
Operating temp range	-10℃~50℃
Storage temp range	-40℃~70℃
Humidity	5%~95%.non-condensing
Shock	10Hz~150Hz~10Hz 0.15mm （IEC 60068-2-6）
Vibration	30g 11ms （IEC 60068-2-27）
Physical Characteristics	
Dimensions	98mm×60mm×60mm (lens included. interface excluded)
Weight	410g
Mounting interface	M3 thread（for 4 sides）
Others	
External interfaces	Power(DC), power indicator, Ethernet port(RJ45). network reset port, alarm output IO(alarm can be triggered by front-end or back-end temperature measurement)
Pack	
Standard accessories	Thermal module with a standard lens ×1. Power adapter ×1. CCC plug ×1. CE plug ×1. CD (including SDK. SDK installation instructions. DEMO software and User maual) ×1. Network cable ×1