HTD1217B-3-PA

FEATURES

Thermographic Turret Camera

- 160 x 120 Thermal Resolution (Upscaled to 320 x 240)
- Temperature Accuracy: ±0.9° F (±0.5° C) at 2.62ft to 4.92 ft (0.8 m to 1.5 m)
- Reliable Temperature Exception Alarm Function
- 3D DNR, Image Detail Enhancement
- White Light and Audio Alarm

Thermal Module	
Image Sensor	Vanadium Oxide un-cooled focal plane arrays
Maximum Resolution	160x120 (output image resolution is 320x240)
Pixel Interval	17 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 40mK (25°C), F# = 1.1
Lens Focal Length	3.1mm
IFOV	5.48 mrad
Field of View	50° × 37.2° (H x V)
Minimum Focusing Distance	0.2 m
Aperture	ƒ/1.1
Optical Module	
Maximum Image Resolution	2688x1520
Image Sensor	1/2.7" progressive scan CMOS
Minimum Illumination	Color: 0.0089 lux @ (ƒ/1.6, AGC on), B/W: 0.0018 lux @ (ƒ/1.6, AGC on)
Shutter Speed	1s to 1/100,000s

Thermal Module	
Lens (Focal Length)	4mm
Field of View	84° × 44.8° (H × V)
WDR	120 dB
Day/Night	IR cut filter with auto switch
Image Function	
Bi-Spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel
Picture-in-Picture	Combines details of thermal and optical image PIP, overlay thermal image on optical image
Smart Function	
Temperature Measurement	3 temperature measurement rule types, 21 rules (10 points, 10 areas, 1 line)
Temperature Accuracy	±0.9° F (±0.5° C) 2.62 feet to 4.92 feet (0.8 m to 1.5 m)
Infrared	
IR Distance	Up to 49ft (15m)
IR Intensity and Angle	Automatically adjusted
Network	
Main Stream	Visible Light: 30 fps (2688 × 1520), 30 fps (1920 × 1080), 30 fps (1280 × 720) Thermal: 25 fps (280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)
Sub-Stream	Visible Light: 30 fps (704 × 480), 30 fps (352 × 240), 30 fps (176 × 120) Thermal: 25 fps (704 × 576, 352 × 288, 320 × 240)
Video Compression	H.265/H.264/MJPEG
Audio Compression	G .711u/G.711a/G.722.1/MP2L2/G.726/PCM
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1x, QoS, IPv6, UDP, Bonjour
Simultaneous Live View	Up to 20
User/Host Level	Up to 32 Users, 3 levels: administrator, operator, user
Security Measures	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE802.1x access control, IP address filtering
Integration	
Alarm Input	1-ch inputs (0−5 VDC)
Alarm Output	1-ch relay outputs, alarm response actions configurable
Alarm Action	SD recording/relay output/smart capture/FTP upload/e-mail linkage/audio alarm/white light alarm
Audio Input	1 x 3.5 mm mic in/line in interface. Line input: 2−2.4 V [p-p], output impedance: 1K Ω ±10%
Audio Output	Linear level; impedance: 600 Ω
Reset	1 x reset button
Communication Interface	1 x RJ-45 10M/100M self-adaptive Ethernet interface, 1 x RS-485 interface
SD Memory Card	Built-in microSD card slot, supporting microSD/SDHC/SDXC card (up to 256 GB),supports manual/alarm recording

Thermal Module	
Analog Video Output	1.0 V [p-p]/75 Ω, PAL/NTSC
Web Browser	IE9+, Chrome 31−44, Firefox 30−51, Safari 5.02+ (mac)
General	
Power	12 VDC ±20%, two-core terminal block PoE (802.3af, class 3)
Power Consumption	12 VDC ±20%: 0.5 A, maximum 6 W PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, maximum 6.5 W
Working Temperature / Humidity	50° to 95° F (10° to 35° C) (indoor and windless environment use only)/humidity 95% or less (non-condensing)
Protection Level	IP66 standard, TVS 6000V lightning protection, surge protection, voltage transient protection
Dimension	5.45" × 5.45" × 4.85" (138.3 mm × 138.3 mm × 123.1 mm)
Weight	2.07 lb (940 g)
Mounts	
Corner	HTH-276ZJ
Pole	HTH-275ZJ
Wall Mount	HTH-273ZJ-140B
Ceiling Pendant Mount	HTH-271ZJ-140