

# HTD1217-V1-2



## FEATURES

### 2MP Thermal and Optical Network Turret Camera

- 2 Megapixel (1920 x 1080) Resolution
- Duel Lens Module, Thermal and Optical
- Leading image processing technology: Adaptive AGC, DDE, 3D DNR, NETD less than 40 mk (@25°C, F#=1.1)
- Reliable temperature exception alarm function
- Advanced fire detection algorithm
- IP67
- Bi-spectrum image fusion, picture in picture preview

Thermal Module	
Model Number	HTD1217/V1-2
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max Resolution	160 x 120
Pixel Interval	17μm
Response Waveband	8μm to 14μm
NETD	less than 40 mk (@25°C, F#=1.1)
Lens	1.8 mm
MRAD	9.44 mrad
Field View	90° x 66.4° (H x V)
Min. Focus Distance	0.1 m
Aperture	F1.1
Optical Module	
Image Sensor	1/2.7" Progressive Scan CMOS
Max. image resolution	1920 x 1080

<b>Thermal Module</b>	
Min Illumination	0.002 Lux @ F1.5
Shutter Speed	1s to 1/100,000s
Lens	2.1mm
Field of View	112°
WDR	120dB
Day & Night	IR cut filter with auto switch
Bi-spectrum Image Fusion	Fusion view of the 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
Temperature Measurements	3 temperature measurement rule types, 21 rules (10 points, 10 areas, and 1 line)
Temperature Range	-20°C to 150°C (-4°F to 302°F)
Temperature Accuracy	± 8 °C (± 14.4 °F)
Fire detection	Dynamic fire point detection, up to 10 fire points detectable.
IR Range	45ft.
Alarm I/O	1/1
Alarm Action	SD recording/Relay output/Smart capture/FTP upload/Email linkage
Audio Input	1 3.5mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance:1KΩ±10%
Audio Output	Linear Level; Impedance: 600Ω
Analog Video Output	1.0V [p-p]/75Ω, PAL/NTSC/BNC
Power	12 VDC± 20% PoE (802.3af, class 3)
Power Consumption	Max. 8 W
Working Temperature/Humidity	-30 °C to 60 °C (-22 °F to 140 °F), 90% or less
Protection Level	IP67 Standard TVS 6000V Lightning protection, surge protection, voltage transient protection
Dimensions	5.28" × 4.87" × 4.24"
Weight	3.3lbs