

# TC-90

## Thermal Card Camera

IIS-TF2519-F2



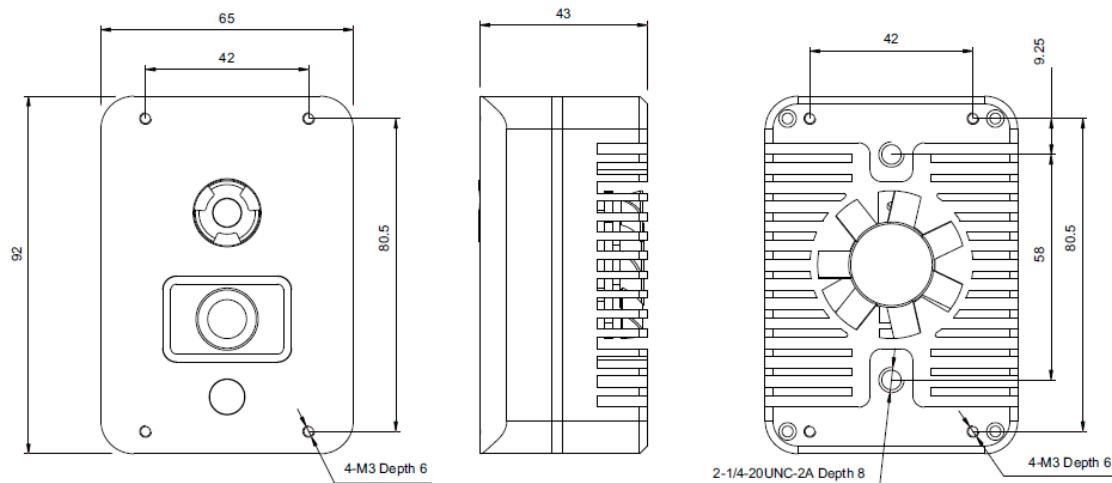
### Key Features

- Uncooled VOx Micro bolometer with 256×192 resolution
- Sensitivity ≤65mK
- Support 3 temperature measurement rule types (Spot, Line, Area)
- Temperature range: -40°C ~ 150°C (-40°F ~ 302°F)
- 17 color control
- DVE image enhance
- Multi-bracket easy to install

# Specifications

Thermal Camera		Temperature Detection	
Detector Type	Uncooled VOx Micro bolometer 256x192	Temperature Detection	Support 3 temperature measurement rule types (Spot, Line, Area)
Resolution	256(H)x192(V), Image can be scaled up to 704x576	Temperature Alarm	Over temperature alarm, Temperature difference alarm
Thermal Sensitivity (NETD)	≤ 65mK @ F1.0, 300K	Accuracy	±2°C / ±2%
Spectral Range	8~14um	Response Time	≤ 30ms
Image Setting	Brightness/Sharpness/Contrast/Mirror/FFC/3D DNR	Temperature measurement range	-40°C ~ 150°C (-40°F ~ 302°F)
Color Palettes	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes	Temperature display mode	Temperature target >5°C, Display absolute temperature value, Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value - average)
Lens Type	Fixed	Network	
Focus Control	Manual Focus	Ethernet	RJ-45 (10/100Base-T)
F No.	F1.0	Protocols	IPv4/IPv6 ,HTTP,RTSP/RTP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x, Modbus
Angle of View	H: 95°, V:75°	Interoperability	ONVIF, CGI, SDK
Visible Camera		Streaming Method	Unicast
Image Sensor	1/2.8" Sony CMOS	Max. User Access	10 Users
Effective Resolution	1920 (H)x1080(V)	Edge Storage	Local PC for instant recording
Shutter Speed	1/5 ~ 1/20,000s	Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Min. Illumination	Color: 0.1Lux @(F1.2, AGC ON), B/W: 0.01Lux	Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
S/N Ratio	More than 55dB	Interface	
W-LED	1pcs	Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Max Aperture	F2.0	Audio Interface	N/A
Angle of View	H: 136.2°, V: 77.3°	Alarm	1ch Alarm Input, 1ch Alarm Output
Focus Control	Fixed	RS485	Support
Video and Audio		USB Interface	Support
Frame Rate	Main Stream: Thermal: D1 @25/30fps Visible: 1920x1080 @25/30fps Sub Stream: Thermal: CIF @25/30fps Visible: D1/VGA/640x360/CIF/QCIF/QVGA @25/30fps	BNC Output	Support
	Bit Rate Control	Reset Button	Support (Built-in)
Bit Rate	Thermal: 100Kbps~6Mbps Visible: main stream: 500Kbps~12Mbps; sub stream: 100Kbps~6Kbps	General	
	Digital Zoom	Power Supply	DC12V ±10%
Mirror	16x	Power Consumption	Max 10 W
Defog	Support	Working Temperature	-20°C~60°C(-4°F~140°F)
Motion Detection	Support	Storage Conditions	0~ 90% RH
Privacy Masking	Off/On (4 Area, Rectangle)	Certifications	CE/FCC
DVE Image Enhance	Support	Ingress Protection	IP66
Intelligence		Casing	Metal
Intelligent Functions	Motion detection, Disk alarm, I/O alarm, Temperature alarm	Dimensions	63 x 43 x 92mm (2.48 x 1.69 x 3.62 inch)
IVS	Perimeter, Single Virtual Fences, Double Virtual Fences, Object Left, Object Removed	Net Weight	450 g (0.99 lb)

## Dimensions (mm)



## Accessories

Optional:

