



# BODY TEMPERATURE MEASURE SYSTEM



**Body Temperature Thermal IP Camera**  
The first layer of protection at your main entrance

# Temperature Measure and Face Recognition System



Temperature  
measure  
and face  
recognition  
system

## Face Intelligent Recognition

- Deep learning
- Quick determination of the over temperatured target

## Thermal Temperature Measure

- No-contact temperature measure
- Multiple target quick measure

## Big Data Analysis

- Health data
- Statistics report
- Analysis of epidemic trend

## Principles for Preventing and Controlling Infectious Diseases

Early Discovery



Early Report



Early Treatment



Early Isolation



Cut off the Infection path



Prevent spreading



## System Functions



Pre Warning Management



Health Archives Management



Data Statistics Report

# Body Temperature Measurement Platform



## Application



Airport



Hospital / Hotel



Commercial Building



Bank / Service Center



Factory



University/ School



Government Sector/  
Custom



Transportation Hub

# CAMERA SPECIFICATION

Thermal Camera		Intelligence																																																																																															
Detector Type	Uncooled IRFPA Microbolometer	Intelligent Functions	Motion detection, Disk alarm, I/O alarm, Temperature alarm																																																																																														
Effective Pixels	400(H) × 300(V)	IVS	Smart Body Detection, Perimeter ,Single Virtual Fences ,Double Virtual Fences ,Object Left ,Object Removed																																																																																														
Thermal Lens			Temperature Detection																																																																																														
Lens Type	Fixed	Detection Mode	Body temperature monitoring																																																																																														
Focus Control	Manual Focus	Maximum Target	16 (Moving), 45 (Static)																																																																																														
Focal Length	8mm	Temperature Alarm	Over temperature alarm, Temperature difference alarm																																																																																														
F No.	F1.0	Accuracy	≤ 0.3 °C (Emission rate, distance, ambient temperature, etc.)																																																																																														
Angle of View	H: 46°, V:35.3°	Response Time	≤30ms																																																																																														
Visible Camera		Measurement Distance	3-5 meters																																																																																														
Image Sensor	1/1.9" Sony CMOS	Theory of temperature measurement range	-20 °C ~ 60 °C (-4°F ~ 140°F)																																																																																														
Effective Resolution	1920(H)×1080(V)	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)																																																																																														
Shutter Speed	1/50 ~ 1/64,000s	Network																																																																																															
Wide Dynamic Range	True WDR 120dB	Ethernet	RJ-45 (10/100Base-T)	Min. Illumination	Color: 0.01Lux @ (F1.2, AGC ON) B/W: 0.001Lux @ (F1.2, AGC ON)	Protocols:	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, SIP ,802.1x	S/N Ratio	More than 55dB	Interoperability	ONVIF, CGI, SDK	Focal Length	2.7 ~ 12mm	Streaming Method	Unicast	Max Aperture	F1.6~ F2.9	Max. User Access	10 Users	Angle of View	105°~ 32°	Edge Storage	NAS Local PC for instant recording Micro SD card 128GB	Focus Control	Motorized	Web Viewer	<IE11, Chrome, Firefox	Video and Audio		Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian	Compression	H.265, H.264, MJPEG	Interface		Frame Rate	Main Stream: Thermal: D1 @25/30fps Visible: 1920×1080/1280×720 @25/30fps Sub Stream: Thermal: CIF @25/30fps Visible: D1/VGA/640×360/CIF/QCIF/QVGA @25/30fps	Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector	Bit Rate Control	CBR/VBR	Audio Interface	1ch Audio In,1ch Audio Out	Bit Rate	Thermal: 100Kbps~6Mbps Visible: main stream: 500Kbps~10Mbps; sub stream: 100Kbps~6Kbps	Alarm	2ch Alarm In,2ch Alarm Out	Region of Interest	Off / On (8 Zone, Rectangle)	RS485	Support	Digital Zoom	16x	BNC Output	N/A	Mirror	Support	Reset Button	Support (Built-in)	Defog	Support	General		Motion Detection	Support	Privacy Masking	Off / On (4 Area, Rectangle)	Power Supply	DC12V/POE (IEEE 802.3af)	DVE Image Enhance	Support	Power Consumption	Max 10W	Audio Compression	G.711, AMR, RAW_PCM (Optional)	Operating Temperature	-30°C~60°C(-22°F~140°F)			Storage Conditions	0~ 90% RH			Certifications	CE /FCC			Ingress Protection	IP66			Casing	Metal			Dimensions	212×182×136mm
Ethernet	RJ-45 (10/100Base-T)																																																																																																
Min. Illumination	Color: 0.01Lux @ (F1.2, AGC ON) B/W: 0.001Lux @ (F1.2, AGC ON)	Protocols:	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, SIP ,802.1x																																																																																														
S/N Ratio	More than 55dB	Interoperability	ONVIF, CGI, SDK																																																																																														
Focal Length	2.7 ~ 12mm	Streaming Method	Unicast																																																																																														
Max Aperture	F1.6~ F2.9	Max. User Access	10 Users																																																																																														
Angle of View	105°~ 32°	Edge Storage	NAS Local PC for instant recording Micro SD card 128GB																																																																																														
Focus Control	Motorized	Web Viewer	<IE11, Chrome, Firefox																																																																																														
Video and Audio		Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian																																																																																														
Compression	H.265, H.264, MJPEG	Interface																																																																																															
Frame Rate	Main Stream: Thermal: D1 @25/30fps Visible: 1920×1080/1280×720 @25/30fps Sub Stream: Thermal: CIF @25/30fps Visible: D1/VGA/640×360/CIF/QCIF/QVGA @25/30fps	Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector	Bit Rate Control	CBR/VBR	Audio Interface	1ch Audio In,1ch Audio Out	Bit Rate	Thermal: 100Kbps~6Mbps Visible: main stream: 500Kbps~10Mbps; sub stream: 100Kbps~6Kbps	Alarm	2ch Alarm In,2ch Alarm Out	Region of Interest	Off / On (8 Zone, Rectangle)	RS485	Support	Digital Zoom	16x	BNC Output	N/A	Mirror	Support	Reset Button	Support (Built-in)	Defog	Support	General		Motion Detection	Support	Privacy Masking	Off / On (4 Area, Rectangle)	Power Supply	DC12V/POE (IEEE 802.3af)	DVE Image Enhance	Support	Power Consumption	Max 10W	Audio Compression	G.711, AMR, RAW_PCM (Optional)	Operating Temperature	-30°C~60°C(-22°F~140°F)			Storage Conditions	0~ 90% RH			Certifications	CE /FCC			Ingress Protection	IP66			Casing	Metal			Dimensions	212×182×136mm																																				
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector																																																																																																
Bit Rate Control	CBR/VBR	Audio Interface	1ch Audio In,1ch Audio Out																																																																																														
Bit Rate	Thermal: 100Kbps~6Mbps Visible: main stream: 500Kbps~10Mbps; sub stream: 100Kbps~6Kbps	Alarm	2ch Alarm In,2ch Alarm Out																																																																																														
Region of Interest	Off / On (8 Zone, Rectangle)	RS485	Support																																																																																														
Digital Zoom	16x	BNC Output	N/A																																																																																														
Mirror	Support	Reset Button	Support (Built-in)																																																																																														
Defog	Support	General																																																																																															
Motion Detection	Support	Privacy Masking	Off / On (4 Area, Rectangle)	Power Supply	DC12V/POE (IEEE 802.3af)	DVE Image Enhance	Support	Power Consumption	Max 10W	Audio Compression	G.711, AMR, RAW_PCM (Optional)	Operating Temperature	-30°C~60°C(-22°F~140°F)			Storage Conditions	0~ 90% RH			Certifications	CE /FCC			Ingress Protection	IP66			Casing	Metal			Dimensions	212×182×136mm																																																																
Privacy Masking	Off / On (4 Area, Rectangle)	Power Supply	DC12V/POE (IEEE 802.3af)																																																																																														
DVE Image Enhance	Support	Power Consumption	Max 10W																																																																																														
Audio Compression	G.711, AMR, RAW_PCM (Optional)	Operating Temperature	-30°C~60°C(-22°F~140°F)																																																																																														
		Storage Conditions	0~ 90% RH																																																																																														
		Certifications	CE /FCC																																																																																														
		Ingress Protection	IP66																																																																																														
		Casing	Metal																																																																																														
		Dimensions	212×182×136mm																																																																																														



**Gamma Solution Sdn Bhd**

15, Jalan Rampai Niaga 5, Rampai Business Park,  
53300 Kuala Lumpur, Malaysia  
Tel: +603-4149 1800  
Website: [www.gamma.com.my](http://www.gamma.com.my)  
Facebook / GammaSolution