



Concept Pro

FACIAL TEMPERATURE MEASUREMENT	HIGH ACCURACY TO 0.3°C	UP TO 40 PEOPLE MEASURED SIMULTANEOUSLY	<30ms RESPONSE TIME
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BODY TEMPERATURE DETECTION SYSTEM

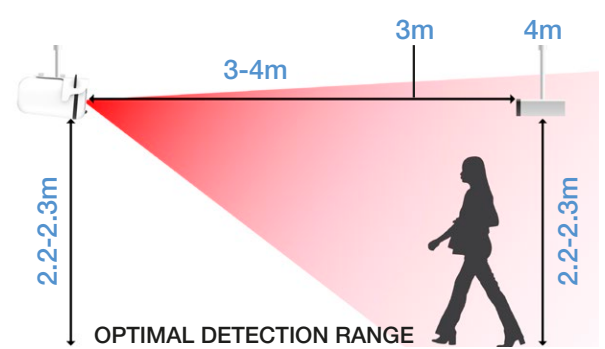
This Body Temperature Detection System can accurately detect facial temperatures of up to 40 people at once with an accuracy of $\pm 0.3^{\circ}\text{C}$, this is ideal for monitoring body temperatures at entrances to events, transport hubs and buildings.

Using advanced facial recognition, the system uses the face temperature for a more accurate measurement. This also stops any false readings, such as a person carrying a hot drink. With astonishingly fast response time and being able to measure up to 40 people at once, the system will reduce the need for single file detection, aiding in the speed of people passing through the detection area.

KEY FEATURES

- ◆ Fast temperature measurement
- ◆ High temperature accuracy
- ◆ Long distance, non-contact detection
- ◆ Only measures facial temperature
- ◆ Dual Spectrum Technology (overlay of temperature on live view)
- ◆ Mobile App available
- ◆ Licence Free software
- ◆ Environment calibration
- ◆ A complete thermal detection solution

DETECTION RANGE



Body Temperature Detection Network Camera



Portable Blackbody Calibration Device



Smart NVR

FOR MORE INFORMATION & PRICING CALL 01827 280000

This product is not intended to diagnose, prevent or treat any disease or condition, it is not a medical device. The specification is subject change without prior notice or liability

BODY TEMPERATURE DETECTION SYSTEM

CONCEPT PRO THERMAL DETECTION SYSTEM

KEY FEATURES

CAMERA

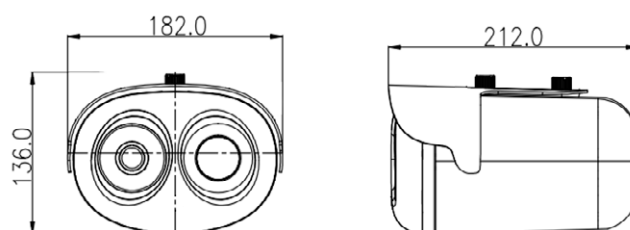
THERMAL CAMERA	
Detector Type	Uncooled IRFPA Microbolometer
Effective Pixels	400(H) x300(V)
Pixel Size	17um
Thermal Sensitivity (NETD)	40mK @F1.0, 300K
Spectral Range	8-14um
Image Setting	Polarity LUT/DVE/Mirror/FCC/3D DNR Brightness/Contrast/ROI
Colour Palettes	Black-Heat /White-Heat/Rainbow/Iron-Red up to 17 modes
THERMAL LENS	
Lens Type	Fixed
Focus Control	Manual Focus
Focal Length	8mm
F No.	F1.0
Angle of View	H: 46°, V:35.3°
VISIBLE CAMERA	
Image Sensor	1/1.9" Sony CMOS
Effective Resolution	1920(H)x1080(V)
Shutter Speed	1/50 - 1/64,000s
Wide Dynamic Range	True WDR 120dB
Min. Illumination	Colour: 0.01Lux @(F1.2, AGC ON) B/W: 0.001Lux @(F1.2, AGC ON)
S/N Ratio	More than 55dB
Focal Length	2.7 - 12mm
Max Aperture	F1.6- F2.9
Angle of View	105°- 32°
Focus Control	Motorised
VIDEO AND AUDIO	
Compression	H.265, H.264, MJPEG
Frame Rate	Main Stream: Thermal: D1 @25/30fps Visible: 1920x1080/1280x720 @25/30fps Sub Stream: Thermal: CIF @25/30fps Visible: D1/VGA/640x360/CIF/QCIF/QVGA @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Thermal: 100Kbps-6Mbps Visible: main stream: 500Kbps-10Mbps; sub stream: 100Kbps-6Kbps
Region of Interest	Off / On (8 Zone, Rectangle)
Digital Zoom	16x
Mirror	Yes
Defog	Yes
Motion Detection	Yes
Privacy Masking	Off / On (4 Area, Rectangle)
DVE Image Enhance	Yes
Audio Compression	G.711, AMR, RAW_PCM (Optional)
INTELLIGENCE	
Intelligent Functions	Motion detection, Disk alarm, I/O alarm, Temperature alarm
IVS	Smart Body Detection, Perimeter, Single Virtual Fences, Double Virtual Fences, Object Left, Object Removed
TEMPERATURE DETECTION	
Detection Mode	Body temperature monitoring
Detection Preset	Max 16 goals
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	≤ 0.3°C (Emission rate, distance, ambient temperature, etc.)
Response Time	≤30ms
Theory of temperature measurement range	-20°C - 60°C (-4°F - 140°F)
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)
NETWORK	
Ethernet	RJ-45 (10/100Base-T)
Protocols:	IPv4/IPv6, HTTP, RTSP, RTP, RTCP, TCP, UDP, DHCP, DNS, PPPoE, SMTP, SIP, 802.1x
Interoperability	ONVIF, CGI, SDK
Streaming Method	Unicast
Max. User Access	10 Users
Edge Storage	NAS, Local PC for instant recording, Micro SD card 128GB
Web Viewer	<IE11, Chrome, Firefox
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
INTERFACE	
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Audio In, 1ch Audio Out
Alarm	2ch Alarm In, 2ch Alarm Out
RS485	Support
BNC Output	N/A
Reset Button	Support (Built-in)
GENERAL	
Power Supply	DC12V/POE (IEEE 802.3af)
Power Consumption	Max 10W
Operating Temperature	-30°C-60°C(-22°F-140°F)
Storage Conditions	0- 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	212x182x136mm
Net Weight	2Kg

BLACKBODY CALIBRATION DEVICE

GENERAL	
Temperature Range	40.0°C Ambient temp. +5.0°C to 50.0°C
Emissive Area	70mmx70mm
Temperature Resolution	0.1°C
Accuracy	±0.2°C (@40°C)
Stability	±(0.1-0.2) °C/30min
Emissivity	0.97±0.02
Power supply	220VAC 50Hz 50W
Operating ambient temp	0°C-40°C / ≤80%RH
Dimension	110mm(W)x120mm(H)x180mm(D)
Weight	1.8kg
Option	RS485 communication

DIMENSIONS

Camera



ACCESSORIES

Ceiling Mount
CP-TM-CM



Wall Bracket
CP-TM-WM



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BODY TEMPERATURE DETECTION SYSTEM

CONCEPT PRO THERMAL DETECTION SYSTEM

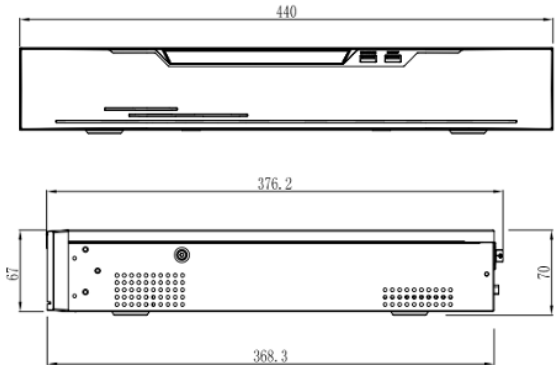
KEY FEATURES

NVR

SYSTEM	
Main Processor	Dual-core embedded processor
Operating System	Embedded LINUX
VIDEO AND AUDIO	
IP Camera Input	32 Channel
Audio I/O	1/1
Two-way Talk	Yes
AI RECOGNITION	
Face	Face comparison results (registrant (name and ID), stranger, channel, similarity)
Vehicle	Recently captured image display
Human Body	Recently captured image display
Non-motor Vehicle	Recently captured image display
AI Search	Time, Properties, Pictures, Gender, Riding style, Vehicle colour, License plate
DISPLAY	
Interface	2 HDMI, 1 VGA
Resolution	HDMI 1: 1920×1080, 1440×900, 1280×1024 HDMI 2: 3840×2160, 1920×1080, 1440×900, 1280×1024 VGA: 1920×1080, 1440×900, 1280×1024
Decoding Capacity	32ch 720P, 16ch 1080P, 8ch 4MP, 4ch 8MP, 1ch 12MP
Multi-screen Display	1st Screen: 1/4/8/9/16/32/36 2nd Screen: 1/4/8/9/16
RECORDING	
Compression	H.265+/- H.265/H.264+/H.264
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.
Record Rate	320Mbps
Bit Rate	128Kbps ~ 8192Kbps Per Channel
Record Mode	Manual, Schedule (Regular, Continuous, Motion Detection, Video Loss, Camera Tamper, Alarm in, IVS)
Record Interval	Post-record: 30 ~ 60 sec
VIDEO DETECTION AND ALARM	
Trigger Events	Recording, Buzzer, Push message, Pop up message.
Video Detection	Motion Detection, Video Loss, Camera Tamper, IVS
Alarm In/Out	2/1
PLAYBACK AND BACKUP	
Sync Playback	16/9/4/1
Search Mode	Time /Date, Alarm, Picture grid, Event
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device
NETWORK	
Network Function	HTTP, HTTPS, TCP/IP, IPv4, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, P2P, IP Filter, DDNS, 802.1X, SNMP, 3G/4G, PPPoE
Max. User	Access 10 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF, SDK, CGI
STORAGE	
Internal HDD	4 SATA Ports, up to 12TB for each HDD
eSATA	Support
Cloud Storage	Support
DISK ARRAY	
Array Type	RAID 5, RAID 6, RAID 10
INTERFACE	
Interface	2 RJ-45 port (10/100/1000Mbps)
PoE Interface	16ch 100Mbps, IEEE 802.3af
PoE Max Power	160W
USB	3 ports (USB 2.0 x2, USB3.0 x1)
RS485	Support
RS232	Support
GENERAL	
Power Supply	AC100~240V
Power Consumption	< 15W (without HDD)
Operating Conditions	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Storage Conditions	Less than 90% RH
Certifications	CE/FCC
Dimensions	440×368.3×70mm
Net Weight	4.2kg (No disk)

DIMENSIONS

NVR



REAR PANEL



ORDER CODES

PRODUCT CODE	DESCRIPTION
VCP-6608-IP	Body Temperature Detection Camera
CP-TH01-00	Black Body Calibration Device
CP-TC-WM	Body Temperature Detection Camera Wall Mount
CP-TC-CM	Body Temperature Detection Camera Ceiling Mount
CP-TCBB-CM	Black Body Calibration Device Ceiling Mount
BTC-NVR-32	Body Temperature Detection Camera NVR

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