VP140-3020B SERIES

DUAL-LENS THERMAL IMAGING TEMPERATURE MEASUREMENT CAMERA

FEATURES

- Integrated with core technologies of thermal imaging, temperature measurement and smart face detection
- Specified dual image registration makes visible light imaging and thermal imaging within the same FOV
- Highly accurate temperature measurement (≤0.3°C)
- Automatic temperature adjustment to avoid temperature drift
- Providing stable service for years
- Real-time measurement: providing dynamic temperature measurement for crowds without omissions
- Smart measurement: visible image and temperature display, convenient for monitoring and identification
- Over-temperature alarms and positioning are provided to record and trace suspected patients

DESCRIPTION

Featured with 1/2.8" Progressive Scan CMOS sensor, built-in 13mm focal lenses, and H.264/H.265/M-JPEC video compression format, INFINOVA VP140-3020B Series Dual-lens Thermal Imaging Temperature Measurement Camera outputs real-time images with resolution up to 1920(H)×1080(V).

It's suitable for hospitals, companies, communities, governments, streets, and any other applications for temperature measurement.

TECHNICAL SPECIFICATIONS

Lens (Visible)	
Image Sensor	1/2.8" Sony progressive Scan CMOS
Optical Zoom	-
Digital Zoom	-
Focal Length	f= 8mm
Iris	DC driver
Focus	Auto/Manual
FOV(H/V/D)	H: 41°; V: 37.6°; D: 47.4°
Lens Mount	-
Lens (Thermal)	
Imager Type	UFPA
Lens Type	Fixed
Spectral Band	8-14μm
Pixel Size	17μm
NETD	50mk
Focal Length	13mm
FOV	28.2°× 21.3°
Video	
Camera Resolution (Visible Lens)	2MP, 1920*1080
Camera Resolution (Thermal Lens)	336×288
Max. Coding Capacity (Visible Lens)	Major stream: H.264/H.265- 30fps@1920×1080 Minor stream: H.264/H.265- 30fps@1280x720 Third stream: M-JPEG-5fps@1920×1080
Max. Coding Capacity (Thermal Lens)	CIF (352x288@25fps) QVGA (320x240@25fps)
Data Rate	CBR/VBR Major stream: 128~10240Kbps Minor stream: 128~4096Kbps
Video Compression	H.265/H.264/ M-JPEG independent coding
Multi-Streaming	Available
Video Rotation	Video can be rotated by 0°, 90°, 180°, 270°
Audio	
Audio Compression	G.711a/ G.711u/ G.726/ AAC
Sample Rate	8KHz (for G.711-A, G.711-U, G.726); 16KHz, 32KHz, 44.1KHz, 48KHz (for AAC)
Audio Interface	2 Input, 1 Output
Two-way Audio	Available
Mic & Speaker	-
Image	
Shutter	Auto/Manual (1/1s~1/32,000s)
WDR	Up to 120dB
Exposure	Auto/Manual/Shutter
Sensitivity	Color mode: 0.001lux (AGC ON) B/W mode: 0.0001lux (AGC ON)
White Balance	Auto/Manual

Video Adjustment	Brightness, sharpness, hue, contrast and saturation adjustment
Noise Reduction	3D
S/N Ratio	>62dB
Defog	Available
EIS	Available
Mirror	-
Corridor Mode	-
Day/Night Switching	ICR
AGC	Available
BLC	On/Off
HLC	On/Off
Privacy Mask	Up to 6 definable zones
ROI	Up to 8 definable zones
OSD	Supported
Pan/Tilt Functions	
Preset	-
Pattern	-
Autopan	-
Normal Tour	-
Home Return	-
Timing Tour	-
Autoscan	-
Area Zoom	-
IR Illumination	
Smart-IR	-
Wave Length	-
Night Vision Distance	-
Temperature Measurement	
Screening	Temperature in certain areas can be screened
Function	Human Body Temperature Measurement
Measurement	Up to 6 measurement sections in the screen definable, with independently alarm settings
Measurement Distance	2m~5m,3m as the best
Measurement Range	32°F~122°F (0°C~50°C)
Accuracy	≤0.3°C
Smart Analytics	
Video Analytics	Facial Detection - Based on deep learning, the facial detection algorithm enables the camera to track and capture faces. Able to detect over 30 faces at one time; support deduplication and image preference
Storage	
Storage Slots	Support a single card
Built-in Storage	Up to 512GB
NAS Storage	-
Local PC Recording	Available
Alarm	
Alarm Ports	2 Alarm input, 1 Alarm output

TECHNICAL SPECIFICATIONS

Alarm Input	I/O input, smart detection, SD card removal, SD card full of videos, SD card full of images, network disconnection, and heartbeat loss, temperature alarm
Alarm Association	I/O output, email, FTP upload, audio, SD card snapshot, SD card recording
System Functions	
Operating System	Win7 and higher versions
Browser	IE8 and higher versions
Access Protocol	ONVIF Profile S CGI 2.7
Multiple Access	Up to 5-ch simultaneous access
Web Server	Available
Remote Upgrade	Available
Password Protection	Available
RS485 Port	-
Analog Video Output	-
Maximum Number of Users	64, with 3 types of users available: administrator, normal user, and operator
Wiper	-
Network	
Network Interface	2*RJ45 10/100M self-adaptive Ethernet port
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP (V1/V3, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
IP Address Filtering	Support blacklist and whitelist filtering for up to 1024 IP segments
Network Delay	<250ms
Environmental	
Anti-Static	Air discharge: 8KV, contact protection: 6KV (for all ports)
Surge Protection	Difference mode: ±1KV, common mode: ±2KV (For network port and power port)
Operating Temperature	14°F~122°F (-10°C~50°C)
Storage Temperature	-4°F~140°F (-20°C~60°C)
Operating Humidity	≤95% RH
Environmental Rating	-
Impact Resistance	-
Mechanical	
Manual Speed	-
Preset Speed	-
Rotation Angle	-
Preset Accuracy	-
Electric Motor	-
Electrical	
Power Supply	24VDC/24VAC
Power Consumption	Thermal camera ≤5W Visible camera≤7W
Physical	
Product Dimension (L×W×H) or (H x D)	13.11"×8.66"×4.19" (333mm×220mm×106.5mm)
Package Dimension (L x W x H)	445mm×270mm×205mm
Unit Weight	5.82 lbs. (2.64Kg)
Shipping Weight	7.23 lbs. (3.28Kg)
Certifications	
Product Certifications	CE; FCC

ORDERING INFORMATION

VP140-3020B	Dual-Sensor Thermal Camera, Human Body Temperature Measurement, Temperature Range 32°F ~122°F, IR Lens 13mm, Visible Light Lens 8mm, 1/2.8" CMOS, 24VDC, 24VAC
Accessories	
Power Supply	
N3922-24D-3	AC to DC Power Supply, Plug-In, 230VAC, Output 24VDC, 3A
N3922-24A-3	AC to AC Power Supply, Plug-In, 230VAC, Output 24VAC, 3A