

# **Dynacom WQT520-H**

## *Body Temperature Measurement Dual Thermal Camera*

Uncooled IRFPA Microbolometer

One IP address Two channels

Effective Pixels 400×300

Sensitivity 40mK

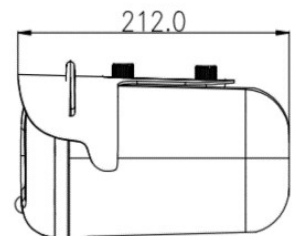
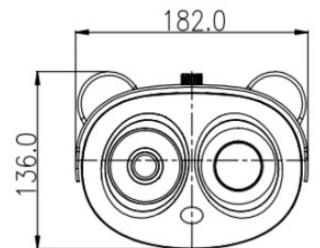
Thermal: 8mm Fixed lens,

Visible: 2.7-12mm motorized lens

Accuracy 0.3°C

Body detection, up to 16 Targets

Response Time 30ms 17 color control



<b>Thermal Camera</b>	
Detector Type	Uncooled IRFPA Microbolometer
Effective Pixels	400(H) ×300(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
Color Palettes	Black-Heat /White-Heat/Rainbow/Iron-Red up to 17 modes
Focus Control	Manual Focus
Focal Length, Lens Type	8mm Fixed
F No.	F1.0
Angle of View	H: 46°, V:35.3°
<b>Visible Camera</b>	
Image Sensor	1/1.9" Sony CMOS
Effective Resolution	1920(H)×1080(V)
Shutter Speed	1/50 ~ 1/64,000s
Wide Dynamic Range	True WDR 120dB
Min. Illumination	Color: 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	Motorized
<b>Video and Audio</b>	
Compression	H.265, H.264, MJPEG
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
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	Support
Defog	Support
Motion Detection	Support
Privacy Masking	Off / On (4 Area, Rectangle)
DVE Image Enhance	Support
Audio Compression	G.711, AMR, RAW_PCM (Optional)

<b>Intelligence</b>	
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
<b>Temperature Detection</b>	
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)
<b>Network</b>	
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
<b>Interface</b>	
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
Reset Button	Support (Built-in)
<b>General</b>	
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
Ingress Protection	IP66
Casing	Metal
Dimensions	212×182×136mm
Net Weight	2Kg