

# **Dynacom WQT420B-R**

## *Thermal Image IP Bullet Camera*

Uncooled IRFPA Microbolometer  
Effective Pixels 400×300  
Sensitivity ≤40mK  
8/15/25/35/50mm Fixed Lens Optional  
20 Spots/2 Lines/16 Areas Temperature Detection  
17 Color Control  
DVE Image Enhance  
2/2 Alarm In/Out



### **System Overview**

Featuring a fixed lens bullet camera, this series provides an all-in-one solution that is especially beneficial for long distance video surveillance in outdoor applications. Together with Thermal technology, the camera's long range capabilities are able to be utilized even at night.

### **Thermal imaging surveillance IP Camera**



**Night remote parking monitoring**



**Night road monitoring**



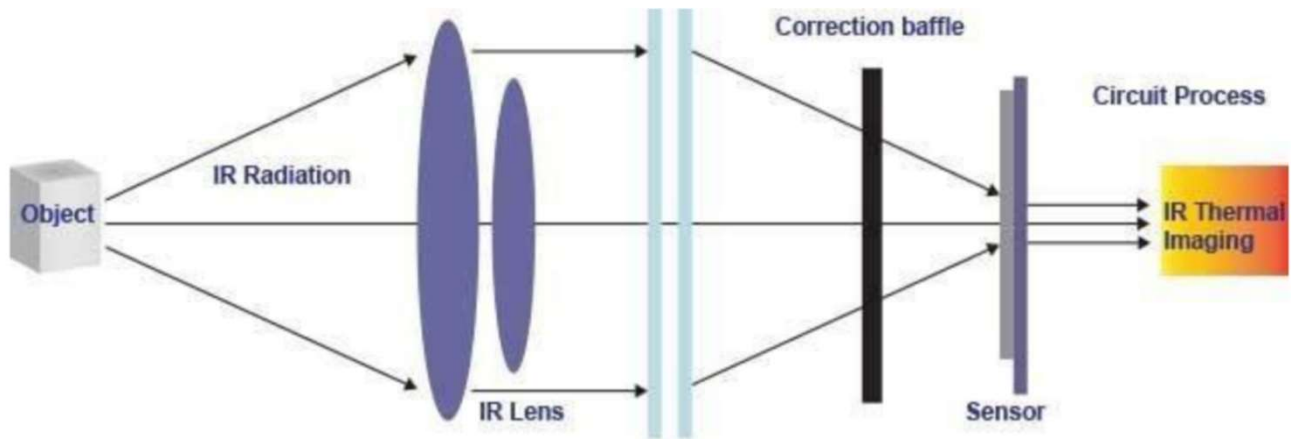
**Human Temperature Measurement**



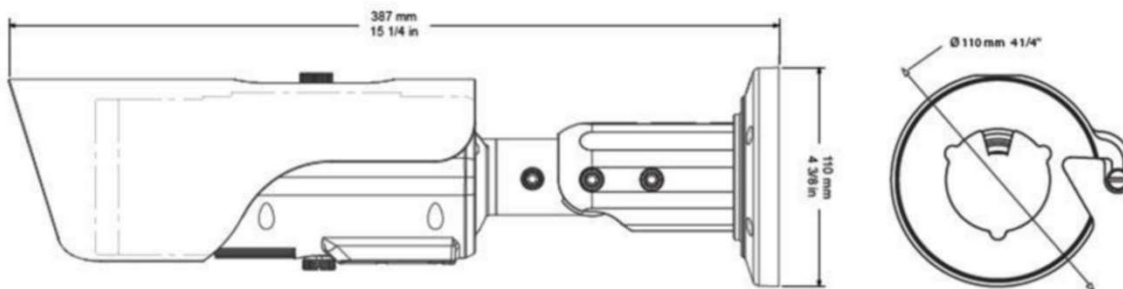
**Residual heatdetection**

Thermal Camera					
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				
Pan/Tilt/ Rotation Range	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360				
Thermal Lens					
Lens Type	Fixed				
Focus Control	Manual Focus				
Focal Length	8mm	15mm	25mm	35mm	50mm
F No.	F1.0	F1.0	F1.0	F1.0	F1.0
Angle of View	H: 46°	H: 25°	H: 15.4°	H: 11°	H: 7.7°
	V: 35.3°	V: 19.2°	V: 11.6°	V:9°	V:5.8°
Detection Distance Fire(1m*1m)	235m	441m	735m	1029m	1471m
Detection Distance Man(1.8m*0.5m)	235m	441m	735m	1029m	1471m
Detection Distance Vehicle(4m*1.5m)	722m	1353m	2255m	3137m	4510m
Recognition Distance Fire(1m*1m)	78m	147m	245m	343m	490m
Recognition Distance Man(1.8m*0.5m)	59m	110m	184m	257m	368m
Recognition Distance Vehicle(4m*1.5m)	180m	338m	564m	789m	1127m
Video and Audio					
Compression	H.265, H.264, MJPEG				
Frame Rate	Main Stream: D1 @50/60fps				
	Sub Stream: CIF @50/60fps				
Bit Rate Control	CBR/VBR				
Bit Rate	100Kbps~6Mbps				
Region of Interest	Off / On (8 Zone, Rectangle)				
Electronic Image Stabilization(EIS)	N/A				
Digital Zoom	16x				
Mirror	Support				
Defog	Support				
Motion Detection	Support				
Privacy Masking	Off / On (5 Area, Rectangle)				
DVE Image Enhance	Support				
Audio Compression	G.711, AMR, RAW_PCM (Optional)				
Intelligence					
Intelligent Functions	Motion detection, Disk alarm, I/O alarm, Temperature alarm				
IVS	Perimeter ,Single Virtual Fences ,Double Virtual Fences ,Object Left ,Object Removed				

<b>Temperature Detection</b>	
Detection Mode	Spot, Line, Area
Detection Preset	Spot: 20, Line: 2, Area: 16
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	±2°C / ±2%
Response Time	≤30ms
Effective temperature working environment	-40 °C ~ 60 °C (-40°F ~ 140 °F)
Theory of temperature measurement range	-40 °C ~ 150 °C (-40°F ~ 302 °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
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
BNC Output	Support
Reset Button	Support
<b>General</b>	
Power Supply	DC12V/POE/AC24V
Power Consumption	Max 5W
Operating Temperature	-40 °C ~ 60 °C (-40°F ~ 140 °F)
Storage Conditions	0~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP67
Casing	Metal
Dimensions	φ110×388mm
Net Weight	1900g



**Dimensions (mm)**



**Accessories ( Optional**



**Pole Mount**



**Junction Box**