

# IIS-BB4030-F

## Bi-Spectrum Bullet Camera



### Key Features

- Uncooled VOx Micro bolometer with 400×300 resolution
- Sensitivity  $\leq 40\text{mK}$
- Thermal: 8/15/25/35/50 mm manual lens, visible: 5~50mm motorized lens
- Support temperature monitoring and exception alarm
- Support 3 temperature measurement rule types (Spot, Line, Area)
- Support humanoid, vehicle and fire point detection
- Intelligent analysis: Perimeter, Single virtual fence, Double virtual fence, Multi loiter, Converse, Personnel count, Enter area, Leave area
- Image processing technology: DVE, 3D DNR, WDR
- IR distance up to 100m

# Specifications

Thermal Camera					
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays				
Resolution	400x300, Image can be scaled up to 704x576				
Pixel Size	17um				
Spectral Range	8~14um				
Thermal Sensitivity (NETD)	≤40mK				
Image Setting	Brightness/Sharpness/Contrast/Mirror/FFC/3D DNR				
Color Palettes	17 (White-hot/Black-hot/Rainbow/Iron bow etc.)				
Lens Type	Fixed, F1.0				
Focus Control	Free focus				
Focal Length	8 mm	15 mm	25 mm	35 mm	50 mm
F No.	F1.0	F1.0	F1.0	F1.0	F1.0
Angle of View	H: 46°, V:35.3°	H:25.5°, V:19.2°	H:15.4°, V:11.6°	H: 11°, V:9°	H: 7.7°, V:5.8°
Detection Distance Fire(1*1m)	235 m	441 m	735 m	1029 m	1471 m
Detection Distance Man(1.8*0.5m)	235 m	441 m	735 m	1029 m	1471 m
Detection Distance Vehicle(4*1.5m)	722 m	1353 m	2255 m	3137 m	4510 m
Recognition Distance Man(1.8*0.5m)	59 m	110 m	184 m	257 m	368 m
Recognition Distance Vehicle(4*1.5m)	180 m	338 m	564 m	789 m	1127 m
Visible Camera					
Image Sensor	1/2.8" CMOS				
Resolution	1920(H)×1080(V)				
Shutter Speed	1/5 ~ 1/20,000s				
Wide Dynamic Range	True WDR 120dB				
Min. Illumination	Color: 0.1Lux @(F1.2, AGC ON) B/W: 0.01Lux @(F1.2, AGC ON)				
S/N Ratio	More than 60dB				
Focal Length	8mm				
Angle of View	H: 50.85°~7.67°, V: 27.78°~4.36°				
Illuminator					
IR Distance	Up to 100m (328.0 ft)				
Video and Audio					
Frame Rate	Main Stream: Visible: 1920x1080, 1280x720 @25/30fps Thermal: D1 (704x576) @25/30fps Sub Stream: Visible: D1, VGA, 640x360, CIF, QVGA @25/30fps Thermal: CIF @25/30fps				
Bit Rate Control	CBR/VBR				
Bit Rate	Main Stream: Visible: 100Kbps~12Mbps, Thermal: 100Kbps~6Mbps Sub Stream: Visible: 100Kbps~6Mbps, Thermal: 10Kbps~1.5Mbps				
Region of Interest	Off / On (8 Zone, Rectangle)				
Mirror	Support				

Motion Detection	Support
Privacy Masking	Off / On (5 Area, Rectangle)
DVE Image Enhance	Support
Audio Compression	G.711: 8kbps, RAW_PCM: 16kbps
Smart Function	
Smart Function	Temperature measurement, human detection, and vehicle detection
Advanced Intelligence Analysis	Smoker detection, Smoke and Flame detection, fire point detection
Intelligent Analysis	Perimeter, Single virtual fence, Double virtual fence, Multi loiter, Converse, Enter area, Leave area (these 7 function support accurate detection of people/vehicles), Personnel count,
Sound-light Alarm	Support white light flashing and horn warning
Temperature Measurement	3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (points, areas, line).
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	±2°C / ±2%
Response Time	≤ 30ms
Temperature Measurement Range	-20°C ~ 150°C (-4°F ~ 302°F)
Network	
Protocols	IPv4/IPv6, HTTP, RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x
Interoperability	ONVIF
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch input, 1ch output
Alarm Interface	2ch input, 2ch output
RS485	Support
Reset Button	Support
General	
Power Supply	DC12V ± 10%/AC24V/POE (IEEE 802.3af)
Power Consumption	Without heating: Max 10W, Including heating: Max 24W
Working Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Storage Conditions	0 ~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	212×182×136 mm (8.35 × 7.17× 5.35 inch)
Net Weight	2.5 Kg (5.51lb)