

## Thermal Bullet Cameras

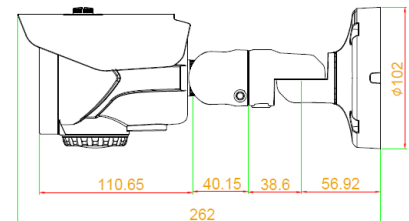
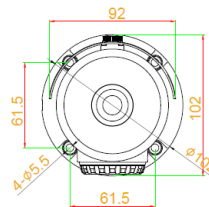


### TCIB3 Series



#### KEY FEATURES

- 640x480 and 384x288 resolution
- a-Si FPA microbolometer (EU made)
- 17um. pixel pitch
- <40mK. NETD sensitivity
- Several lens options
- Aluminum casting body
- Temperature reading
- Motion detection and temperature alarms
- 2/2 alarm I/O
- DC and POE power
- Onvif 2.5 and Profile S
- IP66 waterproof



**Specifications:**

	<b>Model</b>	<b>TCIB31N Series</b>	<b>TCIB31T Series</b>	<b>TCIB32T Series</b>	<b>TCIB32T Series</b>
<b>Camera</b>	Camera type	Bullet thermal camera			
	Sensor	LWIR, uncooled FPA a-Si micro-bolometer			
	Resolution	384x288		640x480	
	Pixel pitch	17µm.			
	Sensitivity NETD	<40mK@f/1,0 50Hz. 300K			
	Spectral range	8-14µm.			
	Lens	6,8-7,5-8,1-13-15-16,8-19-25-35mm.			
	Application	Security/radiometrics			
	Color palette	1 colors			
	Image setting	Mirror, Flip, Invert, Image filter, screen menu			
	Zoom	2X, 3X 4X, Digital zoom			
Focus	Athermal/Fix focus				
<b>Video</b>	Max. frame rate	30			
	Compression	H.264 High/Main/Baseline Profile, MJPEG			
	Streams	Multiple Streaming (Up to 3 Profiles)			
	Bit rate	100-4000Kbps			
	Image settings	Brightness, Sharpness, Contrast			
	Noise reduction	SSNR (2D) Noise Filter (Off / On)			
	Video enhancement	Yes			
	NUC	OFF/Auto/Time/Auto+Time			
Video out	CVBS 1.0 Vp-p / 75 Ω				
<b>Audio</b>	Audio compression	G.711a/G.711u			
	Audio bit rate	G.711a(8kbps)/G.711u(8kbps)			
	Audio I/O	1/1			
	Audio	2 way			
<b>Network</b>	Ethernet	RJ45 10/100 Ethernet port - 10/100/1000 in radiometric models			
	Protocols	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, ICMP, IGMP, ARP, DNS, DDNS, SMTP			
<b>System</b>	Compatibility	Onvif 2.5, Profile S, SDK available			
	Alarm I/O	2/2			
	Alarm type	Motion	Motion+Temp.	Motion	Motion+Temp.
	Temperature areas	-	10 areas	-	10 areas
	Alarm trigger	Motion detection, Network lost, storage full, I/O alarm			
	RS485	Yes, optional RS232			
	NAS recording	Yes			
Event action	FTP upload, email alarm				
<b>General</b>	Working temp.	-35° ~ 70°C., including lens defroster			
	Waterproof	IP66			
	Humidity	<95%			
	Power	12V±0.3 DC, PoE( IEEE802.3af class 3)			
	Consumption	8W.			
	Size (mm.)	62mm W x 51.5mm H x 92mm L			
	Weight	1290gr.			
	Certifications	CE, RoHS compliant			
Warranty	1 year				

\*Tanz reserves the right to change any specification or image without previous notice.

**Field of Vision and DRI distances:**

<b>FOV</b>	LENS	384x288	640x480
	6,8mm.	51,1°x39,4°	90,8°x74°
	7,5mm.	48,9°x37,6°	74,°x59,2°
	13mm.	28,5°x21,5°	NA
	15mm.	24,5°x18,5°	39,8°x30,4°
	19mm.	19,6°x14,7°	32,2°x24,4°
	25mm	14,8°x11,2°	24,2°x18,3°
	35mm.	10,7°x8°	17,4°x13,1°
<b>DRI</b>	NATO Standard*	Human	Vehicle
	6,8mm.	223/56/28m.	613/153/78m.
	7,5mm.	260/65/32m.	676/169/85m.
	13mm.	483/120/60m.	1172/293/146m.
	15mm.	558/139/70m.	1352/338/169m.
	19mm.	706/176/89m.	1713/428/214m.
	25mm	930/232/116m.	2254/563/281m.
	35mm.	1302/325/162m.	3156/789/394m.

\*Human 1,8x0,5m. / Vehicle 2,3x2,3m., probability 50%



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