

# Thermal fixed bullet cameras LWIR



## TCIB3 Series

TCIB3 series are Tanz Security advanced LWIR thermal cameras with outstanding NETD sensitivity and in 384x288, and 640x480 resolution. Suitable for demanding security installations such as critical infrastructures, fence security, airports and seaports.

Tanz Security TCIB3 cameras can be used as fixed indoor or outdoor cameras paired with different focus free lenses from 8 to 35mm.

## Ready for harsh environments

TCIB3 thermal cameras are designed in high density aluminum casting to be able stand harsh environments and to provide crispy image quality for many years. TCIB3 Series are designed to stand water and dust up to IP66 level.

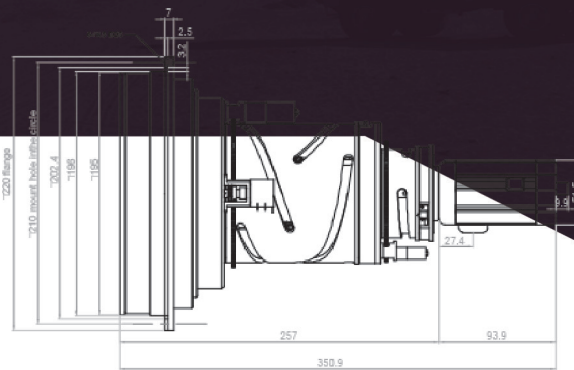
## Key features:

- Thermal resolution in 640x480 and 384x288 pixels
- High performance NETD thermal a-Si sensors
- 12µm. pixel pitch
- 30 frames/second video
- Wide range of lenses to be selected from 8mm. to 35mm.
- Free focus athermal lenses
- Image enhancement system
- Noise reduction filter
- High performance radiometric function optional
- RS485 connection
- I/O alarms
- 12v.DC and PoE power
- Onvif 2.5 and Profile S



## Specifications:

Model	TCIB3 Series	
THERMAL CAMERA	Type	Fixed bullet thermal camera
	Sensor	LWIR, uncooled a-Si micro-bolometer
	Wavelength	8-14μm.
	NETD	<40mK@f/1,0 50Hz., 300K
	Pixel pitch	12μm.
	Resolutions	384x288 / 640x480
	Color palette	10 colors
	Frames/second	30fps.
	Thermography	Optional
	Lenses	From 8mm. to 35mm.
	Focus type	Focus free athermal lenses
	Image enhancement	Yes
	NUC	Yes
	Video compression	H.264, Mjpeg, Mpeg4
	Streams	Triple
	Bitrate	128-40.048Kbps., customizable
	Image settings	Contrast, Brightness, Mirror, Flip, sharpness, Enhancement, 2NR
	Dead pixel correction	Yes
	Privacy mask	Yes
	Region of interest	Yes
GENERAL	Digital zoom	2X, 4X
	Analog video	No
	Web browser	Internet Explorer 8 or higher
	Network	1X RJ45 10/100
	Network protocols	TCP/IP, IPv4/6, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, ICMP, IGMP, ARP, DNS, DDNS, SMTP
	VMS	On demand
	Thermo suite software	On demand
	I/O alarms	1/1
	Serial port	RS485
	Power	12V±0.3 DC, PoE( IEEE802.3af class 3)
	Power demand	6W./1A.
	Working temperature	-25°/65°C.
	Humidity	0-95%, not condensing
	Waterproof	IP66
	Size	262mm. X 102mm. X 92mm.
	Weight	950gm. (w/o lens)
	Certifications	CE, RoHS compliant



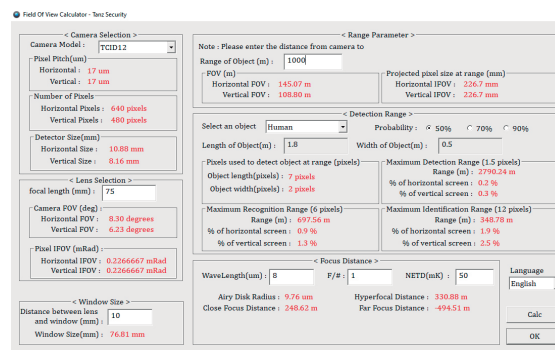
## Total Control

Tanz Security thermal cameras let you see further than any other night vision technology. Most advanced thermal LWIR technology in 640x480 and 384x288 resolution paired with a wide range of lenses to provide largest detection distances to secure your installations.

## Select the right lenses for your security projects

Tanz Security provides you the perfect tool to calculate your thermal camera lenses, providing you accurate calculations base in Johnson's Criteria, so you can have in hand all important data to know what the camera will display.

- Camera HFOV and VFOV
- Pixels IFOV
- Virtual FOV at target distance
- Projected pixels at target distance
- Pixels in target at range selected
- DRI distances 50%-70%-90%



The screenshot shows the 'Field of View Calculator - Tanz Security' software interface. It includes sections for Camera Selection (TCID12), Lens Selection (focal length 75mm), and Range Parameter (Range of Object 1000m). The interface displays various calculated values such as FOV (Horizontal: 145.07 m, Vertical: 108.80 m), Projected pixel size at range (Horizontal IFOV: 226.7 mm, Vertical IFOV: 226.7 mm), and Detection Range (Maximum Detection Range: 2790.24 m, Maximum Recognition Range: 697.56 m, Maximum Identification Range: 348.78 m). It also includes a 'Window Size' section and a 'Language' dropdown set to English.



## Outstanding video surveillance power - DRI

TCIB3 Series lenses are capable to monitor and control long distance objects base in Johnson's Criteria / NATO standard.

Human target 1,8x0,5m.	Johnson's criteria - NATO standard - 35mm. focal length	
Detection		1.302m.
Recognition	325m.	
Identification	163m.	

Vehicle target 2,3x2,3m.	Johnson's criteria - NATO standard - 35mm. focal length	
Detection		3.157m.
Recognition	790m.	
Identification	395m.	

\* Different weather conditions and temperature changes may affect to final distances, the stated distances are references.

\* Tanz Security reserves the right to change products or specifications without notice.