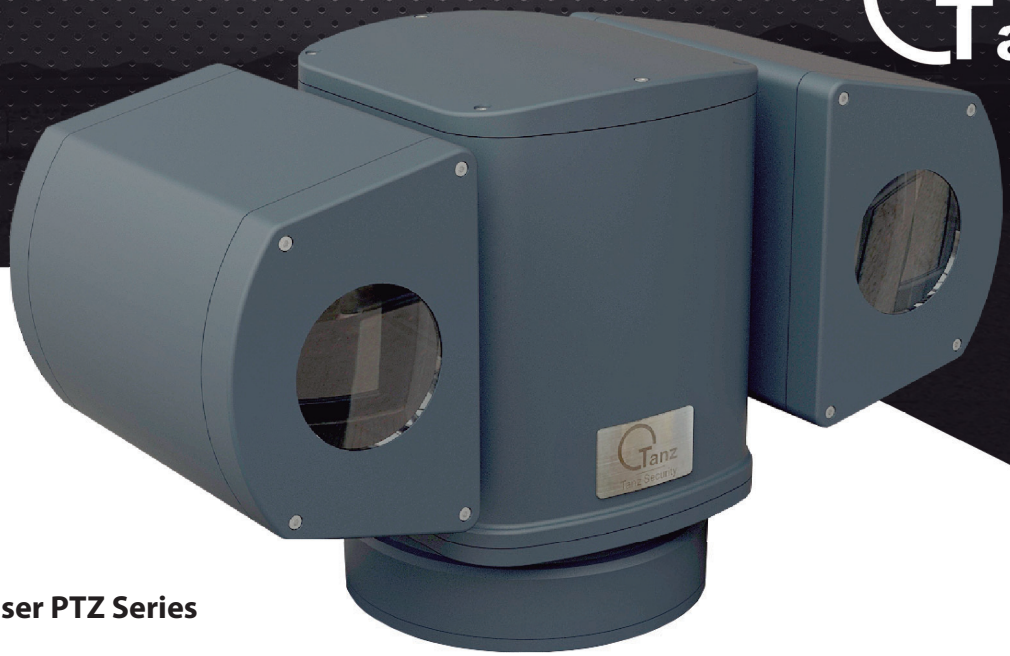
Day/night Laser PTZ camera



Compact THC7 Day/Night Laser PTZ Series

THC7 series PTZ is a compact single sensor system including a powerful zoom laser iluminator, able to be paired with multiple zoom options and especially designed for vehicle and other limited space installations.

A high precision and heavy-duty worm gear pan-tilt system, able to work 24/7 without any maintenance for many years. Making THC7 compact PT an unparalleled performance model, resulting in accurate detection, recognition and identification of intruders and threats at over 4.4Km. distance for person size targets and more than 5.5Km. for NATO size targets.

Integrated into an anti-corrosive stainless-steel or aluminum carting heavy-duty housing, making THC7 perfect for seaport and harsh environment installations. THC7 is IP66 and including fans/heaters to work in high and low temperature weather.

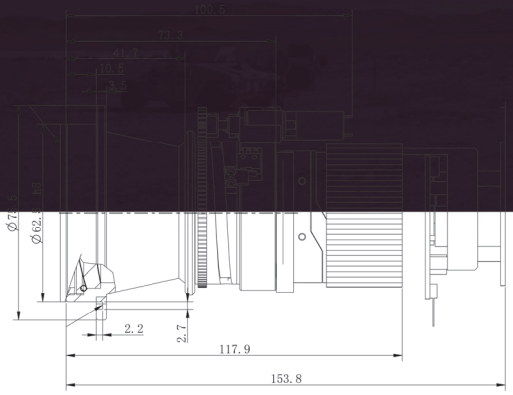
Key features:

- **2mp. - 8mp. day/night cameras, up to 365mm. zoom lens**
- **Starvis super low lux sensor**
- **30/60fps. video**
- **EIS/OIS video stabilization for perfect image video stability**
- **1Km. or 2Km. laser illuminator with collimator**
- **On-board or advanced video analytics**
- **High precission motor technology, accurate pan/tilt 0,01°**
- **Worm drive engine with long lasting / high repeatability**
- **High speed azimuth with -90/90° elevation**
- **24v. DC power**
- **IP66 waterproof housing**
- **High / Low temperature ready**
- **SUS316 Stainless steel or aluminum casting**
- **Heater, fan**
- **Military connectors**
- **Onvif 2.5 and Profile S**



Specifications:

Model	TCID2 Series			
	Type	Dual sensor compact PTZ camera		
DAY/NIGHT CAMERA	Sensor	Low lux CMOS sensor, base in module selection		
		Resolution	Zoom	Focal length	HFOV
		2 megapixel	35X	6-210mm.	61,2º-2,0º
		2 megapixel	42X	7-300mm.	43,3°-1,0°
		2 megapixel	58X OIS	6-365mm.	63,4°-1,2°
		8 megapixel	30X	6-180mm.	65,2°-2,4°
	Video compression	H.265/H.264 baseline, main profile, high profile, Mjpeg, LVDS video			
	Video streams	Triple			
	Bitrate	1024-8,192Kbps., VBR/CBR (8192-16,384Kbps. MJPEG)			
	Optical defogging	Night Mode 750nm~1100nm channel optical defog, Near infrared*			
	Day/night	Active, passive, day, night, scheduled			
	Focus type	Auto, manual, one push, multiple focus options			
	Frames/second	25/30fps. or 50/60fps.*			
	Shutter speed	1/3 - 1/30,000 Sec.			
	Image settings	WDR, HLC, BLC, AWB, Optical defog, turbulence mitigation, EIS/OIS*			
	Digital zoom	16X			
	Image settings	Contrast, Brightness, Mirror, Flip, sharpness, Enhancement, 2/3DNR, AWB, BLC, HLC, WDR, Near Infrared			
	Defogging	Optical or digital, base in selection			
	Video output	Digital			
	Video analysis	Tripwire, Cross fence, Intrusion, Abandoned-missing object, Fast moving, Parking detection, Crowd gathering estimation, Loitering Detection			
GENERAL	EIS/OIS	In D/N camera			
	Local storage	Up to 256Gb. for each camera			
	Web browser	IE8 or above, Chrome, Edge, Firefox			
	Pan/tilt movement	Pan 360º endless, tilt -90/90º			
	Pan/tilt speed	0,01º-80º/Sec. - 0,01º-40º/Sec.*			
	Accuracy	±0,01º			
	Presets	256			
	Tours	8			
	Auto scan / Auto pan	Yes			
	Patterns	5 (10min.)			
	Groups	4			
	Idle action / Start up	Yes			
	Protocols	Pelco D			
	Digital alarms	Motion detection, IVS alarms, memory full			
	Alarm I/O	1/1			
	RS485	Yes			
	Serial baudrate	9600 Kbps.			
	Audio	2 way (Optional)			



GENERAL	Connector	Military type	
	Network	RJ45 1x Giga Ethernet	
	Network protocols	IPv4/v6, RTSP/RTP/RTCP, TCP/UDP, HTTP, HTTPS, DHCP, DNS, FTP, DDNS, PPPoE, SMTP, SNMP V1/V2, IEEE802.X, Bonjour, IP filter, QoS, ICMP, IGMP, NTP	
	Laser illuminator	1000m.	2000m.
	Platform	Onvif 2.5, Profile S	
	Envirnonmental	-32º/55ºC. - 0/95% RH not condensing	
	Power	24v.DC	
	GE window	Yes	
	Waterproof	IP66	
	Weight	18Kg. without cameras / 6.2Kg. in aluminum	
	Size	395x240x184mm.	

Visible/NIR Optical Camera
TCID8 Series are designed and optimized for long-range surveillance. Using large size progressive scan CMOS sensors to capture more light and perform better in low lux scernarios, able to perform perfectly under 0,001 Lux. Including the latest technology in real-time image processing such as BLC, HLC, WDR, EIS, 2-3D DNR.

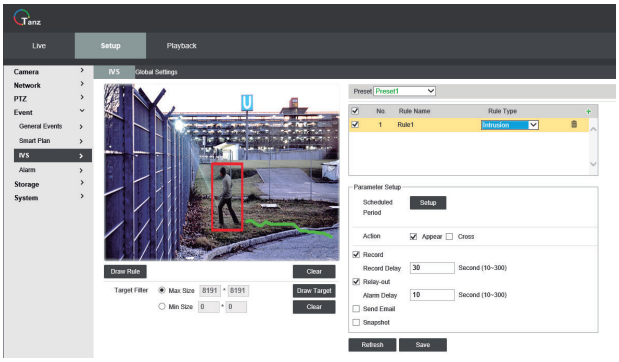
EIS and OIS optics
Select from availble lens options, all Tanz Security advanced zoom lenses include several zoom motor speeds and moving object tracking, available zoom options in 30X, 35X, 42X providing narrow FOV as small as 1º.

Select optical defogging providing 60fps. video or digital defogging to get rich details in long distance zoom lenses.

Video Analysis
THC7 Series include advanced video analysis and digital video stabilization taking security cameras to a next level.

Tanz Security cameras are now including advanced video analytics to make the cameras smartest than ever, set the cameras to help in different risk auto-detection:

- **Tripwire**
- **Fence detection**
- **Intrusion**
- **Abandoned-Missing object**
- **Fast moving**
- **Parking detection**
- **Crowd gathering estimation**
- **Loitering detection.**



ARTIFICIAL INTELLIGENCE

Mid Range DN Zoom Lenses

High flexibility lens for long distance surveillance applications such as border control or coastal surveillance applications. Capable to provide wide angle HFOV and long distances and close HFOV with up to 365mm.

Advanced Video Analysis and AI

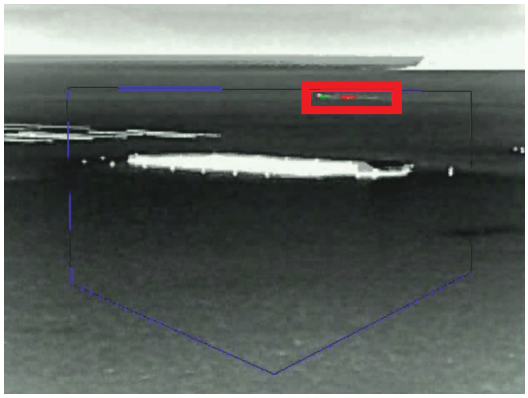
Advanced video analytics are designed to protect critical facilities, large protected areas, border control or military facilities from possible threats. Tanz Security video analytics are advanced algorithms capable to detect intrusions in very long distances and with very low false alarms.

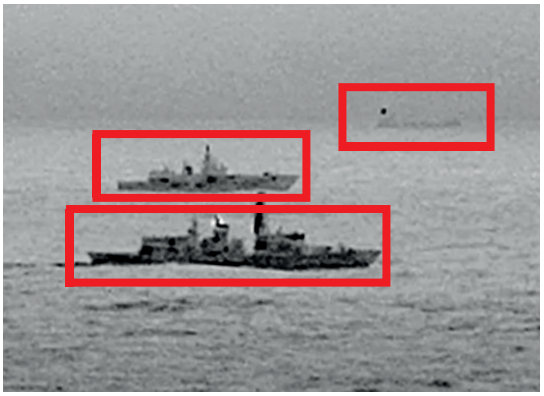
Avoid false alarms caused by white-listed objects into a controlled scenario. Tanz video analytics are able to determine and follow complex rules to avoid the usual analytics false alarms.

Tanz analytics are dedicated to specific type of video images. Differentiating color video and thermal video differences with specific algorithms for each type. This provides Tanz analytics a superior performance.

Thanks to the advance design of the software, we can protect areas located in far distances, and once a threat is detected make slew to cue tracking of the moving object.

The advanced analytics can implement AI (Artificial Intelligence) to classify and detect military vehicles, vessels and other spcific targets. The system includes a deep learning engine to teach the system tailored object detection.





Day and Night - DORI Distances

Human target 1,8x0,5m.	DORI distances for 210mm.
Detection	2.315m.
Observation	918m.
Recognition	463m.
Identification	231m.

Human target 1,8x0,5m.	DORI distances for 300mm.
Detection	2.938m.
Observation	1.164m.
Recognition	586m.
Identification	293m.

Human target 1,8x0,5m.	DORI distances for 365mm.
Detection	3.666m.
Observation	1.455m.
Recognition	733m.
Identification	366m.

Human target 1,8x0,5m.	DORI distances for 180mm.
Detection	6.285m.
Observation	2.494m.
Recognition	1.257m.
Identification	628m.

* Different weather conditions and temperature changes may affect to final distances, the stated distances are references.
* STANAG4347 / Day Imager- 1000 lux illumination and target contrast of 20%. Probability 50%.
* OIS, NIR and 50/60fps. only in selected sensors.
* Tanz Security reserves the right to change products or specifications without notice.
* Tanz Security brand and logo are registered trade marks.

NATO/OTAN NCAGE: SHCT4