Multisensor PTZ camera





TCIDH multisensor PTZ Series

TCIDH series is an advanced long range PTZ security system. Mounted in a high precision worm gear pan/tilt unit, the special design of the positioning system has zero maintenance. All transmission gears are worm type ensuring a long lasting system.

TCIDH cameras are rugged and compact, ready to work in extreme weather conditions and including features like wiper internal heaters and fan to keep the cameras working in any installation. Designed to work in most extreme and harsh weather, in the perfect solution for sea ports, or critical infrastructure security, such as boarder control, airport security or power plants

TCIDH camera camera series are designed to work in several scenarios and they are military proven. Including advanced day and night super low lux sensors and long range zoom lenses. Get the best image quality 24/7.

TCIDH Series include advanced 640x512 or 1280x1024 LWIR thermal resolution sensors with latest 12um pixel array, able to deliver best IR image quality and high speed thermal video in 30 or 50fps.

The rugged IP66 housing and pan/tilt constructed of strengthened aluminum alloy with anti-corrosive coating, allows to TCIDH Series withstand the harshest climates and conditions, making it ideal for perimeter security, homeland security, coastal protection and boarder security.

Key features:

- Thermal resolution in 640x512 or 1280x1024
- LWIR Vox thermal sensors with 12um pixel pitch
- 2-5-8mp. resolution day/night zoom modules
- Up to 540mm. day/night optical zoom
- Advanced super low lux Starvis back illuminated CMOS sensors
- Defogging
- EIS video stabilization for perfect image video stability
- On-board video analytics
- Fire detection*
- Giga Ethernet
- High precission stepper motor technology, accurate pan/tilt 0,1°
- Worm drive engine, long lasting drive system (no belt)
- 24v. DC power
- IP66 waterproof and ruggerized aluminum housing
- Military connector
- Fan, heater
- Onvif 2.5 and Profile S

























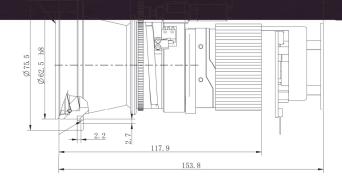




Specifications:

Model			TCID	H Series	
Model	Туре				
	Sensor	Dual sensor PTZ camera LWIR, uncooled Vox micro-bolometer			
	Wavelength	8-14µm.			
	NETD	<35mK@f/1,0 50Hz., 300K			
	Pixel pitch	12μm.			
	Resolutions	640x512 1280x1024			
	Color palette	10 colors			
	Image enhancement	Yes			
	Frames/second	50fps. 25/30fps.			
	Focal length	Available lenses from 25mm. to 100mm.			
THERMAL	Lens types	Athermal, fixed focal length or zoom			
CAMERA	Focus	Focus free or autofocus			
	Video compression	H.265,H.264, Mjpeg			
	Streams			e stream	
	Bitrate	128-8,480Kbps., customizable			
	Image settings	Contrast, Brigh	ntness, Mirror, Flip	o, sharpness, Enhan	cement, 3/2NR
	Advanced video analysis*				
	Fire detection*	Optional			
	Analogue video	Optional			
	Motion detection	Yes			
	Privacy mask	Yes			
	ROI	Yes			
	Sensor	Low lux CMOS sensor, base in module selection			
		Resolution	Zoom	Focal length	HFOV
		2 megapixel	35X	6-210mm.	61,2°-2,0°
		2 megapixel	50X	6-300mm.	58,4°-1,4°
		2 megapixel	90X	6-540mm.	59°-0,8°
		2 megapixel	58X (OIS)	6-365mm.	59°-0,8°
		5 megapixel	30X	6-180mm.	61°-2,3°
DAY/NIGHT		8 megapixel	30X	6-180mm.	63°-2,6°
CAMERA		8 megapixel	50X	6-300mm.	59°-1,8°
	Video compression	H.265, H.264, Mjpeg			
	Streams	Triple stream			
	S/N.	≥55dB.			
	Bitrate	1,792-8,192Kbps., customizable up to 16,384 in MJPEG			
	Image settings	Contrast, Brightness, Mirror, Flip, sharpness, Enhancement, 3/2NR, AWB			
	Day/Night	BLC, HLC, WDR			
	Day/Night	Day, night, auto			
	Frames/second	30fps., with optical defog lenses			
	Focus type	Auto, remote motorized			
Defogging Optical or digital, base in selection					ווע







Video output Digital, analog optional			Long range optical zoom modules		
Parking detection, Crowd gathering estimation, Loitering Detection In D/N camera Local storage Up to 128Gb.		Video output	Digital, analog optional		
Parking detection, Crowd gathering estimation, Lottering Detection In D/N camera		Video analysis (D/N)	Tripwire, Cross fence, Intrusion, Abandoned-missing object, Fast moving,		
Local storage					
Web browser Pan/tilt movement Pan 360° endless, Tilt -60/40° Pan/tilt speed 0,1-80°/Sec 0,1-40°/Sec. Accuracy Presets 256 Tours 32 Auto scan 8 Patterns 4 (10min.) Groups 4 (10min.) Groups 4 Schedules 16 Protocols Digital alarms Motion detection, IVS, fire* Alarm I/O D/N 1/1 - IR 1/1 (Optional 2/2 in IR) RS48S Yes Audio 2 way (Optional) Connector Military type Network Network Network Network protocols Platform Fan/Heater Platform Fan/Heater Platform Onvif 2.5, Profile S Envirnonmental Gear Worm qear, high repeatability Power P		EIS	In D/N camera		
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Pan/tilt speed		Web browser	IE8 or above		
Accuracy		Pan/tilt movement	Pan 360° endless, Tilt -60/40°		
Presets 256 Tours 32 Auto scan 8 Patterns 4 (10min.) Groups 4 Schedules 16 Protocols Pelco D Digital alarms Motion detection, IVS, fire* Alarm I/O D/N 1/1 - IR 1/1 (Optional 2/2 in IR) RS485 Yes Audio 2 way (Optional) Connector Military type Network Network Network Network Protocols IPv4/v6, RTSP/RTP/RTCP, TCP/UDP, HTTP, HTTPS, DHCP, DNS, FTP, DDNS, PPPoE, SMTP, SNMP V1/V2, IEEE802.X, Bonjour Fan/Heater Yes Platform Onvif 2.5, Profile S Envirnonmental -32°/65°C. / 0/95% RH not condensing Gear Worm gear, high repeatability Power 24v.DC Electric protection Protective circuit for surge and noise Waterproof IP66 Weight <25Kq. Size 730x490x370mm.		Pan/tilt speed			
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Audio Connector Military type Network Network protocols IPv4/v6, RTSP/RTP/RTCP, TCP/UDP, HTTP, HTTPS, DHCP, DNS, FTP, DDNS, PPPoE, SMTP, SNMP V1/V2, IEEE802.X, Bonjour Fan/Heater Fan/Heater Platform Onvif 2.5, Profile S Envirnonmental -32°/65°C. / 0/95% RH not condensing Gear Worm gear, high repeatability Power 24v.DC Electric protection Protective circuit for surge and noise Waterproof Weight <25Kq. Size 730x490x370mm.	CENEDAL	Alarm I/O	D/N 1/1 - IR 1/1 (Optional 2/2 in IR)		
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Platform					
Envirnonmental -32°/65°C. / 0/95% RH not condensing Gear Worm gear, high repeatability Power 24v.DC Electric protection Protective circuit for surge and noise Waterproof IP66 Weight <25Kg. Size 730x490x370mm.					
Gear Worm gear, high repeatability Power 24v.DC Electric protection Protective circuit for surge and noise Waterproof IP66 Weight <25Kg. Size 730x490x370mm.			Onvif 2.5, Profile S		
Power 24v.DC Electric protection Protective circuit for surge and noise Waterproof IP66 Weight <25Kg. Size 730x490x370mm.			<u> </u>		
Electric protection Protective circuit for surge and noise Waterproof IP66 Weight <25Kg. Size 730x490x370mm.			Worm gear, high repeatability		
WaterproofIP66Weight<25Kg.					
Weight <25Kg. Size 730x490x370mm.		Electric protection	Protective circuit for surge and noise		
Size 730x490x370mm.					
		Weight	<25Kg.		
Certifications CE, RoHS compliant					
		Certifications	CE, RoHS compliant		

- 50 or 30fps. high definition IR video
- Day/night back illuminated sensors
- Long range day/night lenses
- Built-in video analytics

- Built-in video stabilization
- Defogging
- Wide working temperature range
- Heavy duty PTU gears and engines





EIS and Video Analysis

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

Tanz Security cameras are now built-in 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.

High Performance Video Compression

TCIDH Series include high performance video compression to help you to decrease the storage demand, including now several encoding options in H.265, H.264, Mjpeg and Mpeg4.

Visible/NIR Optical Camera

THCH 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.

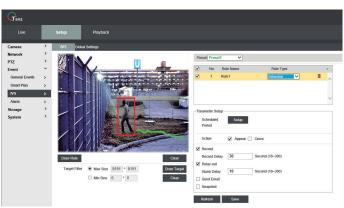
THCH also integrates the latest technology in real-time image processing such as BLC, HLC, WDR, EIS, 2/3DNR.

Full HD Images

THCH PTZ cameras are best in class provinding high definition image in your surveillance applications, now they deliver up to 4 times higher definition than traditional HD sensor cameras. Select sensors from 2mp. to 8mp. to achieve best image quality in day or night video.

Long Range Day/Night Zoom Lenses

Select from available lens options, all Tanz Security advanced zoom lenses include several zoom motor speeds and available zoom options in 30X, 35X, 50X, 86X, 90X providing narrow FOV small as 0,44°.





Day and Night - DORI Distances

Human target 1,8x0,5m.	DORI distances for 540mm.	
Detection		7.170.m.
Observation	2.820m.	
Recognition	1.410m.	
Identification	705m.	

Thermal - Johnson's Criteria

Human target 1,8x0,5m.	DRI Johnson's criteria - NATO standard - 100mm. focal length		
Detection	5.270m.		
Recognition	1.318m.		
Identification	659m.		

NATO target 2,3x2,3m.	DRI Johnson's criteria - NATO standard - 100mm. focal length		
Detection		12.778m.	
Recognition	3.194m.		
Identification	1.597m.		

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

* GE window, fire detection and perimetric analytics are optional.

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



^{*} Tanz Security brand and logo are registered trade marks.