

D/N Single sensor PTZ camera



Compact TCIS6 Day/Night Single Sensor PTZ Series

TCIS6 series PTZ is a compact single sensor system paired with different day/night sensors up to 8mp. and with multiple zoom options, especially designed for vehicle applications and other installations where the space is limited or a discreet solution is required.

A high precision and heavy-duty worm gear pan-tilt system, able to work 24/7 without any maintenance for many years. Making TCIS6 compact PT an unparalleled performance model to be installed in vehicles or other critical infrastructures.

Integrated into an anti-corrosive stainless-steel or aluminum heavy-duty housing, making TCIS6 perfect for seaports and harsh environment installations. TCIS6 is protected by an IP66 and including fans/heaters to work in high and low temperature weather.

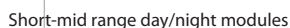
Key features:

- Resolution from 1920x1080 to 3840x2160 pixels
- 2mp. - 8mp. day/night cameras, up to 210mm. zoom lens
- Starvis super low lux sensor
- 30/60fps. video
- EIS video stabilization for perfect image video stability
- On-board or advanced video analytics
- High precision motor technology, accurate pan/tilt 0,01°
- Worm drive engine, long lasting / high repeatability
- High speed azimuth with -90/90° elevation
- 24v. DC power
- IP66 waterproof housing
- High / Low temperature ready
- Heater, fan
- HELIOS C2 compatible
- SUS316 Stainless steel or aluminum casting
- Military connectors
- Onvif 2.5 and Profile S



Specifications:

Model	TCIS6 Series				
DAY/NIGHT	Type	Single sensor compact PTZ camera			
	Sensor	Low lux CMOS sensor, base in module selection			
		Resolution	Zoom	Focal length	HFOV
		2 megapixel	30X	4.7-141mm.	61,2°-2,0°
		2 megapixel	35X	6-210mm.	61.9°-1.9°
		4 megapixel	37X	6,5-240mm.	59.6°-3.2°
		8 megapixel	30X	6-180mm.	65,2°-2,4°
	Video compression	H.265, H.264, Mjpeg			
	Streams	Triple stream			
	Bitrate	1024-8,192Kbps., VBR/CBR (8192-16,384Kbps. MJPEG)			
	Image settings	Contrast, Brightness, Mirror, Flip, sharpness, Enhancement, 2/3DNR, AWB, BLC, HLC, WDR, Near Infrared			
	Day/Night	Day, night, auto			
	Frames/second	25/30fps. / 50/60fps.			
	Focus type	Autofocus, remote motorized			
	Defogging	Optical or digital, base in selection			
	Digital zoom	16X			
	Autofocus modes	Auto, semi auto, autotracking			
	Near infrared video	Depending in the selected module			
	Video output	Digital			
	Video analysis	Tripwire, Cross fence, Intrusion, Abandoned-missing object, Fast moving, Parking detection, Crowd gathering estimation, Loitering Detection			
GENERAL	EIS	In D/N camera			
	Local storage	Up to 256Gb. for each camera			
	Web browser	IE8 or above, Chrome, Edge, Firefox			
	Pan/tilt movement	Pan 360° endless, tilt -90/90°			
	Pan/tilt speed	0,01°-80°/Sec. - 0,01°-40°/Sec.*			
	Accuracy	±0,01°			
	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.			
	Connector	Military type			



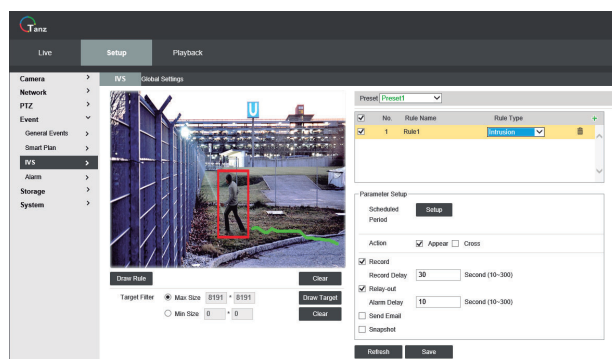
GENERAL	Network	RJ45 1x 10/100 Ethernet
	Network protocols	IPv4/v6, RTSP/RTP/RTCP, TCP/UDP, HTTP, HTTPS, DHCP, DNS, FTP, DDNS, PPPoE, SMTP, SNMP V1/V2, IEEE802.X, Bonjour, IP filter, QoS, ICMP, IGMP, NTP
	Fan/Heater	Yes
	Platform	Onvif 2.5, Profile S
	Environmental	-32º/55ºC. - 0/95% RH not condensing
	Power	24v.DC
	GE window	Yes
	Waterproof	IP66
	Weight	14Kg. without cameras / 5,8Kg. in aluminum
	Size	305x218xmm.

Video Analysis

TCIS6 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.



Day and Night - DORI Distances

Human target 1,8x0,5m.	DORI distances for 141mm.	
Detection		1.999m.
Observation		793m.
Recognition		399m.
Identification		199m.
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 240mm.	
Detection		3.311m.
Observation		1.314m.
Recognition		662m.
Identification		331m.
Human target 1,8x0,5m.	DORI distances for 180mm.	
Detection		4.026m.
Observation		2.582m.
Recognition		905m.
Identification		603m.

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

* Johnson's Criteria / Day Imager- 1000 lux illumination and target contrast of 20%. Probability 50%.

* Check lenses, sensors and options to define the proper configuration

* AI/Deep learning/Object classification and advanced features with HELIOS C2

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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 with 6mm. and very long distances and close HFOV with 300mm. narrow angle DN zoom lenses.

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.

