

THCA Series

Mid and Long Range Day/Night Cameras



THCA22M Series

THCA22M Mid and long range day and night cameras are advanced and powerful systems designed for fixed installations or mounted on positioning systems. Capable to display and capture crispy and full detail video in long distances. Perfect for Blue Line surveillance, border control and other long distance demanding projects.

Best image definition powered by long range optical zooms up to 80X optical zoom and focal length up to 1200mm. to provide accurate information in long distances, recognition and detection of intruders kilometers away supported by EIS (video stabilization), heat turbulence mitigation and optical defogging.

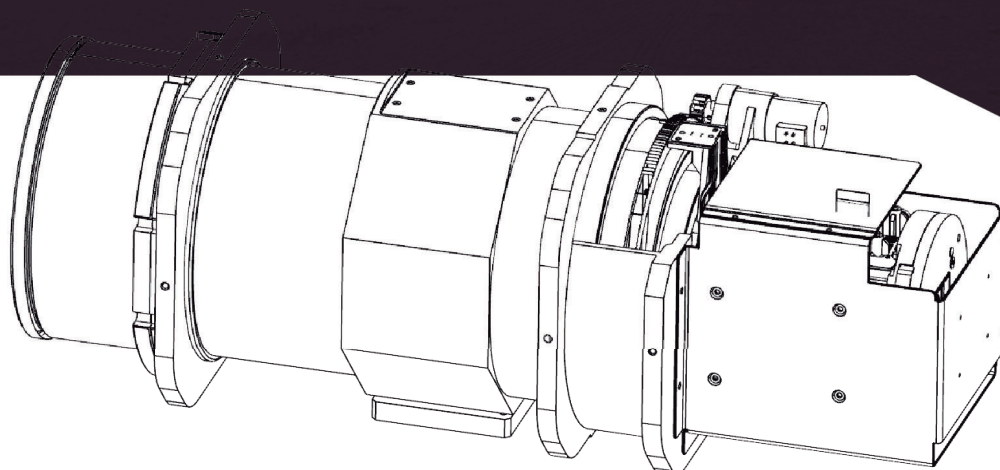
Key features:

- Resolution from 2mp.
- Advanced super low lux Starvis back illuminated CMOS sensors
- 80X IR-corrected optical zoom, up to 1200mm.
- Narrow FOV up to 0,3°
- H.265, H.264, Mjpeg compression
- WDR, HLC, BLC, AWB
- Optical / digital defogging
- EIS video stabilization for perfect image video stability
- Turbulence mitigation filter
- HELIOS C2 compatible
- Near Infrared video
- On-board video analytics
- DC power
- Onvif 2.5 and Profile S



Specifications:

Model	THCA22M	
CAMERA	Type	Long range Day/night network camera
	Sensor	1/1.8" Sony Exmor CMOS Starvis
	Resolution	1920x1080 / Full HD
	Focal length	15-1200mm.
	F. number	F. 2.1 - 9
	HFOV	23°- 0.3°
	Zoom factor	80X
	Min. illumination	Color: 0.01Lux/F2.1; B/W: 0.001Lux/F2.1
	S/N ratio	≥55dB
	Focus distance	5-10m. (wide-tele)
	Zoom travel speed	6 sec. for full travel
VIDEO	Video compression	H.265/H.264 baseline, main profile, high profile, Mjpeg, LVDS digital video
	Video streams	Triple
	Bitrate	1024-8,384Kbps., customizable
	Optical defogging	Night Mode 750nm~1100nm channel optical defog
	Day/night	Active, passive, day, night, scheduled
	Focus type	Auto, manual, one push, multiple focus options
	Frames/second	30fps.
	Shutter speed	1/3 - 1/30,000 Sec.
	Image settings	WDR, HLC, BLC, AWB, Optical defog, turbulence mitigation, EIS
	Digital zoom	16X
GENERAL	Network	RJ45 10/100 Mbps Ethernet
	Network protocols	IPv4/v6, RTSP/RTP/RTCP, TCP/UDP, HTTP, HTTPS, DHCP, DNS, FTP, DDNS, PPPoE, SMTP, SNMP V1/V2, IEEE802.X, QoS, ICMP, IGMP, NTP
	Local storage	Micro SD max. 256Gb.
	Platform	Onvif 2.5, Profile S, SDK included
	Working temperature	-32°/55°C
	Humidity	0-95% RH not condensing
	Power	12v. DC (±15%)
	Electric protection	TVS 4000v.
	VMS	Tanz VMS and 3rd. party compatible
	IVS	Tripwire, cross fence, intrusion, abandoned/missing object, fast-moving, parking detection, crowd gathering estimation, Loitering
	Protocols	Pelco D/P
	RS485	Yes
	Alarms in/out	1/1
	Waterproof	IP66
	Cable kit	Included complete cable connectors
	Weight	15.6Kg.
	Size	550x240x245mm. / Lens 120mm.



Long range optical zoom modules

Visible/NIR Optical Camera

THCA 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 scenarios, able to perform perfectly under 0,001 Lux.

THCA also integrates the latest technology in real-time image processing such as BLC, HLC, WDR, EIS, 2/3D DNR and long range filter for turbulence mitigation.

Full HD Images

THCA Series cameras are best in class providing 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 Zoom Lenses

Select from available lens options, all Tanz Security advanced zoom lenses include several zoom motor speeds and moving object tracking, available zoom up to 80X providing narrow FOV small as 0,3°.

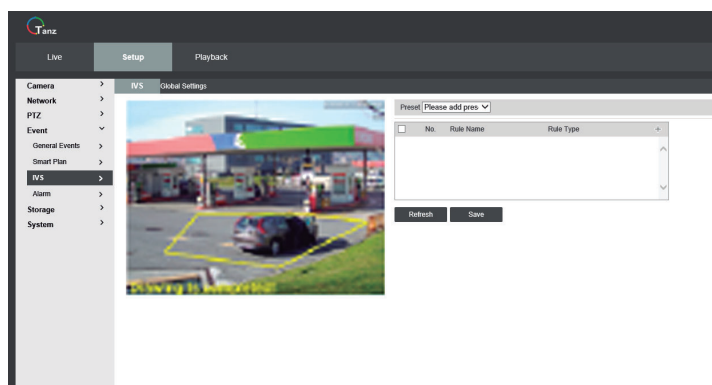
Select optical defogging or digital defogging to get rich details in long distance zoom lenses.

EIS, Turbulence mitigation and Video Analysis

THCA Series include advanced video analysis and digital and optical video stabilization and turbulence mitigation 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.



High Performance Video Compression

THCA 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.

Day and Night - DORI Distances

Human target 1,8x0,5m.	DORI distances for 1200mm.	
Detection		22.000m.
Observation		8.730m.
Recognition		4.400m.
Identification		2.200m.

* OIS (Optical Image stabilization) only in selected models, optical or digital defogging to select, turbulence mitigation only in selected models.

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

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

* 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



Tanz Security, Spain
Avda. Madariaga 1, 3 floor
48014 Bilbao, Spain

Tanz Security, Taiwan
10Fl. No. 203 Zhonghua 1st. road
Gushan district, Kaohsiung 80455
Taiwan

www.tanzsecurity.com
info@tanzsecurity.com
Tel.: +34-654436742
Skype: tanz-support