FULL COLOR · 24/7



TCM-4FC7536-AXJM

5MP 36× Full Color Network Speed Dome

5 MP	36×	24/7	AI	PoE+	ONVIF	IP66
RESOLUTION	OPTICAL ZOOM	FULL COLOR	HUMAN DETECT	802.3AT	SUPPORT	IK10

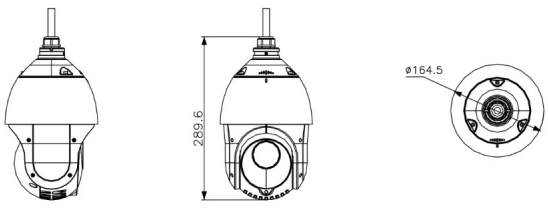
DESCRIPTION

The TCM-4FC7530-AXJM is a 5MP full color network speed dome built on a 1/2.8" progressive scan CMOS sensor and a 36× optical zoom lens, delivering sharp, color-rich detail over expansive areas around the clock. Ideal for wide-area monitoring such as rivers, roads, railways, airports, squares, parks, tourist sites and venues.

FEATURES

- **Full Color 24/7** — vivid color images day and night with 8 warm LEDs, up to 150 m
- **36× optical zoom** (4.3 – 155 mm) for close-up detail across wide areas
- **5 MP** 1/2.8" progressive scan CMOS, up to 2560 × 1920
- **Face & humanoid detection** with capture, linked to alarm system
- Smart events: intrusion, line crossing, region entrance / exiting, object left / removed
- 120 dB WDR, HLC, BLC, 3D DNR, Defog, auto focus
- 300 presets, 8 patrols, 4 patterns, 3D positioning
- H.265 / H.264 compression, triple stream
- PoE+ (802.3at) or 12 VDC power
- IP66 weatherproof & IK10 vandal-proof, −40 °C to 70 °C

DIMENSIONS



Unit: mm

DISTRIBUTED BY

Specifications

CAMERA	
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.005 Lux @ F1.6, AGC ON B/W: 0.001 Lux @ F1.6, AGC ON 0 Lux with supplement light on
Shutter Speed	1/1 s to 1/30,000 s, slow shutter supported
Focus	Auto, semi-auto, manual
Day/Night Switch	Full Color, auto, scheduled
WDR	120 dB true WDR
Image Enhancement	BLC, HLC, 3D DNR, Defog
Image Settings	Saturation, brightness, contrast, sharpness
White Balance	Auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB, locked WB
Privacy Mask	Up to 24 polygon masks, mosaic, configurable color
SNR	> 52 dB
LENS	
Focal Length	4.3 – 155 mm, F1.6
Optical Zoom	36×
Zoom Speed	Approx. 3.6 s (wide – tele)
Field of View	H: 57.6° – 2.5° · V: 34.4° – 1.4° · D: 64.5° – 2.9°
PTZ	
Pan / Tilt Range	Pan 360° endless · Tilt −15° to 90° (auto flip)
Pan / Tilt Speed	Manual 0.1° – 80°/s · Preset 80°/s
Presets	300
Patrol / Pattern	8 patrols (up to 32 presets each) · 4 pattern scans
Park Action	Preset, pattern, patrol, auto, tilt, random, frame & panorama scan
Scheduled Task	All park actions, plus dome reboot, dome adjust, aux output
Other Functions	Proportional zoom, 3D positioning, power-off memory, PTZ status display, preset freezing
VIDEO	
Max. Resolution	2560 × 1920 (5 MP)
Streams	Main stream, sub-stream, third stream
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)
Video Compression	H.265 (Main Profile), H.264
Video Bit Rate	32 Kbps – 16 Mbps
AUDIO	
Audio Compression	G.711 A-law / μ-law, G.722.1, G.726, MP2L2, PCM
Audio Bit Rate	MP2L2: 32 – 192 Kbps
Sampling Rate	MP2L2: 16 / 32 / 48 kHz · PCM: 8 / 16 / 32 / 48 kHz
Noise Filtering	Environmental noise filtering
SMART FEATURES	
Analytics	Face detection & capture, humanoid detection
Basic Event	Motion detection, audio exception, exception
Smart Event	Intrusion, line crossing, region entrance / exiting, unattended baggage, object removal
Alarm Linkage	Preset, patrol, pattern, SD card recording, alarm output, e-mail, notify center, FTP upload
NETWORK & INTERFACE	
Ethernet	1 × RJ45, 10/100 Mbps self-adaptive
Protocol	ONVIF
Client Software	Techma VMS
Web Browser	IE 8 – 11, Chrome 57+, Firefox 52+, Safari 12+
Alarm I/O	1 input / 1 output
Audio I/O	1 in (2.0 – 2.4 Vp-p, 1 kΩ ±10%) · 1 out (line level, 600 Ω)
SUPPLEMENT LIGHT	
Warm White LED	8 pcs, effective distance up to 150 m
GENERAL	
Power Supply	12 VDC, PoE+ (IEEE 802.3at)
Power Consumption	Max. 24 W (incl. max. 9 W supplement light)
Protection	IP66 weatherproof, IK10 vandal-proof
Operating Temp.	−40 °C to 70 °C (−40 °F to 158 °F)
Dimensions	Ø 164.5 × 290 mm (Ø 6.48" × 11.42")
Weight	Approx. 2 kg (4.41 lb)

Specifications are subject to change without prior notice.