



TC-H358M Spec:44X/IT/A

5MP 44X Thermal AEW PTZ Camera

Pro Series



KEY FEATURES

- Supports optical and thermal bi-spectrum image
- Vanadium Oxide Uncooled Focal Plane Arrays
- Thermal Resolution 384×288
- Optical Resolution up to 3072×1728@30fps
- Min. illumination Color: 0.001Lux@F1.6
- Optical zoom: 44×, digital zoom 16×
- Smart IR, IR Range: 300m
- Built-in Speaker
- Built-in Automatic Wiper
- Built-in Electronic Compass
- Support GPS/BDS
- S+265/H.265/H.264/M-JPEG
- Intelligent monitoring/Face Capture mode
- Support Human/Vehicle Classification
- Support Laser Point
- Plugin Free
- IP66

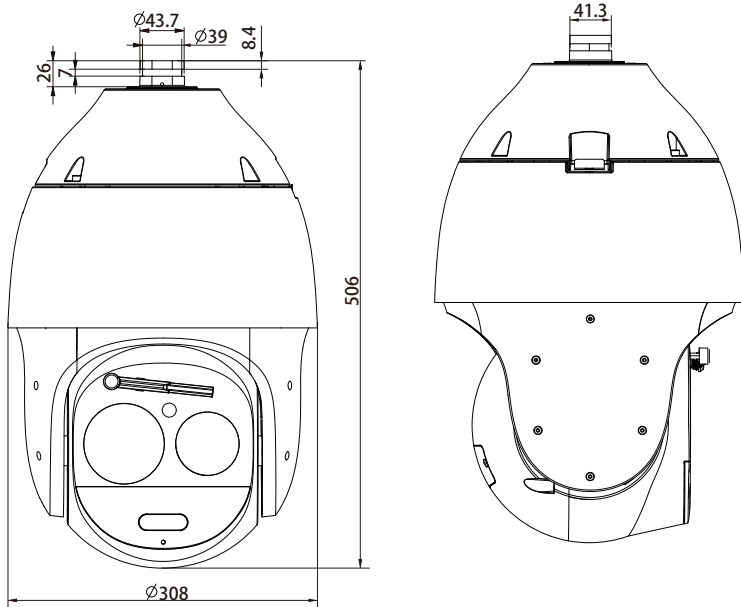
SPECIFICATIONS

Thermal parameters	
Thermal Sensor Type	Vanadium Oxide Uncooled Focal Plane Arrays
Thermal Length	50mm
Resolution	384x288
Piexl Interval	17μm
Response Waveband	8μm~14μm
NETD	≤40mK@f/1.0
Thermal FOV	Horizontal: 7.5°,Vertical: 5.6°
Measurement Distance Based on the reference: human (1.8m x 0.5m) vehicle (4m x 1.4m)	Detection: 4510m (vehicle),1471m (human) Recognition: 1127m (vehicle),368m (human) Identification: 564m (vehicle),184m (human)
Fire Detection Distance Based on the reference: fire (2m×2m)	3000m
Camera	
Image Sensor	1/1.8"CMOS
Min. Illumination	Optical: Color:0.001lux@ (F1.6,AGC ON),B/W:0lux with IR
Shutter Time	1s~1/100000s
Day&Night	IR-cut filter with auto switch (ICR)
Smart IR	Yes
WDR	120dB
Lens	
Focal Length	Optical:6mm~264mm
Optical Zoom	44X
Digital Zoom	16X
Zoom Speed	<6s
Aperture Range	Optical:F1.6~F5.3
Aperture Type	Optical:Auto(P-Iris)
Field of View	Optical:61.8°~2.3°(H);36.3°~1.3°(V);69°~2.6°(D)
Focus Control	Optical:Auto/Semi-auto/Manual
Close Focus Distance	Optical:100mm~1500mm
DORI Distance	Optical: Detect:2620m Observe:1040m Recognize:524m Identify:262m
Pan&Tilt	
Pan Range	360°
Pan Speed	Manual Speed:0.1°~200°/s Preset Speed:240°/s
Tilt Range	-21°~90° (Default -13°~90°)
Tilt Speed	Manual Speed:0.1°~120°/s Preset:180°/s
3D Position	Yes
Preset	500
Cruise	16,up to 32 presets per cruise
Scan	8
Pattern	8,each with 600s memory or 1000 orders
Scheduled Task	Preset,Cruise,Scan,Pattern
North Point	Yes
Power-off Memory	Yes
Preset Freezing	Yes

Illuminator	
IR LEDs	11
IR Distance	Up to 300m
Wavelength	850nm
IR Irradiation Angle	Yes
White LEDs	2
Whitelight Distance	30m
Compression Standard	
Video Compression	S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG
Video Bit Rate	32Kbps-16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Sampling Rate	8KHz/32KHz/48KHz
Image	
Max. Resolution	Optical:3072×1728@30fps Thermal:384×288@30fps
Main Stream	Optical: PAL:25fps(3072×1728,2560×1440,2304×1296,1920×1080,1280×720) 50fps(2560×1440,2304×1296,1920×1080,1280×720) NTSC:30fps(3072×1728,2560×1440,2304×1296,1920×1080,1280×720) 60fps(2560×1440,2304×1296,1920×1080,1280×720) Thermal: PAL:25fps(384×288) NTSC:30fps(384×288)
Sub Stream	Optical: PAL:25fps(704×576,704×288,352×288,640×360) NTSC:30fps(704×480,704×240,352×240,640×360) Thermal: PAL:25fps(384×288) NTSC:30fps(384×288)
Third Stream	Optical: PAL:25fps(1920×1080,1280×720,704×576,704×288,352×288,640×480) NTSC:30fps(1920×1080,1280×720,704×480,704×240,352×240,640×480) Thermal: PAL:25fps(384×288) NTSC:30fps(384×288)
BLC	Yes
HLC	Yes
AGC	Yes
3DNR	Yes
White Balance	Auto/Semi-Auto/Manual/Sunshine/Nature Light/Warmlight Lamp/Daylight Lamp/Filament Lamp/Lock White Balance
ROI	Optical:7 Dynamic Areas for Both Main and Sub Stream
EIS	Yes
OSD	5 regions(Each region can have a maximum of 127 characters,up to 5 lines); 16*16/24*24/32*32/48*48/64*64/96*96/128*128/ac
Defog	Yes
Flip	Normal/Inverted Flip
Regional Exposure	Yes
Regional Focus	Optical:Yes
Demist	Yes
Privacy Mask	24 regions
Feature	
General Alarm	Optical:Motion Detection Thermal:Motion Detection; Optical:Mask Alarm
Exceptions Alarm	Disk Full; Disk R/W Error; IP Address Conflict; MAC Address Conflict; FTP Server Exception ; Network cable disconnected
Linkage Method	Send Email; Trigger Sound; Trigger Warmlight; Trigger Recording; Trigger Capture; Notify Surveillance Center; Alarm Output
Video Analytics	Optical:Perimeter;Tripwire;Double Tripwire;Object Abandon;Object Missing;Heatmap;Loitering;Running;People Counting;Crowded Detection;Safety Helmet Detection;On Duty Detection;Video Abnormal;Audio Abnormal;Human/Vehicle Classification Thermal:Perimeter;Tripwire;Double Tripwire;Human/Vehicle Classification
Auto Early Warning(AEW)	Yes
Auto-Tracking	Yes
Face Mode	Face Capture
Face Capture Performance	Detect up to 32 faces at the same scene; Capture up to 16 faces at the same scene

Network	
ANR	Yes
Protocols	HTTP; HTTPS; TCP/IP; UDP; UPnP; ICMP; IGMP; SNMP v1; DHCP; DNS; DDNS; Easy DDNS; NTP; SMTP; TLS v1.2; SSL; IPv4; IPv6; PP
System Compatibility	P2P; ONVIF(Profile S/T/G); SDK; CGI; RTSP
Remote Connection	≤7
User/Host	Up to 32 users. 4 user levels
Client	Easy7 VMS
Moblie Client	EasyLive Plus
Web	IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+
Interface	
Communication Interface	2*RJ45 (10/100/1000Base-T)
Audio I/O	1*Input Impedance 1kΩ,2.0~2.4Vp-p; 1*Output Impedance 600Ω
Alarm I/O	8*Switching; 2*Switching,Voltage≤DC24V,Current≤1A
Built-in Speaker	1,4Ω4W
Reset Button	Yes
On-board Storage	Built-in Micro SD card slot,up to 512 GB
Additional Interfaces	RS485; BNC
Wiper	Yes
Electronic Compass	Yes
GPS/BDS	Yes
General	
Web Client Language	16 languages Simple Chinese/English/Traditional Chinese/Spanish/Italian/ Korean/Turkish/Russian/Thai/ Polish/French/Dutch/ Hebraism/Vietnamese/Arabic/Farsi
Operating Temperature	-40°C~70°C(-40°F~158°F)
Operating Humidity	≤95%RH
Storage Temperature	-40°C~70°C(-40°F~158°F)
Storage Humidity	10%~95%RH(non-condensing)
Power Supply	AC24V±25%\DC36V±25%
Power Consumption	48W(IR OFF) ; 67W(IR ON)
Protection	Surge4000V; ESD6000V; IP66
Material	Metal
Boundary Dimensions	308mm(D)x505mm(H)
Package Dimensions	460(L)460(W)720(H)mm
GrossWeight	21.4Kg
NetWeight	11.85kg

DIMENSIONS (Unit: mm)



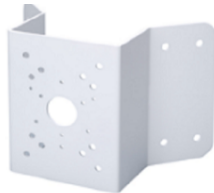
Assembly diagram of Junction Box



DF20Y



TC-P32EM



A35



DF21Y



A36