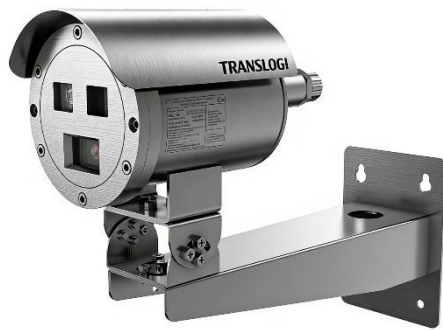


TR-TD2528-FZ

4MP Explosion-Proof Optical & Thermal Network Bullet Camera



Key Features

- 256 × 192 resolution, 12 μm, VOx UFPA, NETD ≤ 40 mK (25°C, F1.0)
- Temperature exception alarm for fire prevention, -20 °C to 650 °C (-4 °F to 1202 °F), Max. (± 2 °C, ± 2%)
- Support Fire detection and smoke detection Algorithm
- Support sun-reflection filter and forklift alarm filter algorithm (forklift alarm filter is exclusive with VCA function)
- Powerful perimeter protection functions, based on intelligent algorithm: Line crossing, intrusion, region entrance & exit
- 316L Stainless Steel enclosure, protecting camera in corrosive environments

Introduction

TRANSLOGI Explosion-Proof Thermal & Optical Bi-spectrum Bullet Camera delivers reliable perimeter protection and early fire detection in hazardous environments with 304L stainless steel construction and precise temperature-based alarm system.

Specifications

Camera sensor

Sensor Size	1/2.7" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Color Sensitivity	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01 Lux @ (F1.6, AGC ON)
Day & Night	IR Cut Filter with Auto Switch
Shutter Speed	1 s to 1/100,000 s
Field of View	83.7° × 43°(H × V)
Focal Length	4.3 mm
WDR	120 dB

Thermal Module

Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	256 x 192
Pixel Pitch	12 μm
NETD	≤ 40 mK (@25° C, F# = 1.0)
Focal Length	3.6 mm
IFOV	3.33 mrad
Aperture	F1.0
Field of View	50° × 37.3° (H × V)
Min. Focusing Distance	0.5 m

Digital Zoom	×2, ×4
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Image Effect

Bi-spectrum Image Fusion	Display the details of optical channel on thermal channel
Picture in Picture	Display partial image of thermal channel on the full screen of optical channel
Target Coloration	Yes. Supported in white hot and black hot mode.

Illuminator

IR Distance	Up to 30 m
IR Intensity and Angle	Automatically adjusted

Smart Function

VCA	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.
Temperature Measurement	3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)
Temperature Range	-20 °C to 650 °C (-4 °F to 1202 °F)
Temperature Accuracy	Max (± 2 °C, ±2 %)
Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Smoking Detection	Up to 10 smoking points detected
Smoke Detection	Support smoke detection on optical channel

Video and Audio

Main Stream	Optical channel 50 HZ: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 HZ: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Thermal channel 25 fps (1280×720, 704×576, 640×512, 320×240)
Sub-stream	Optical channel 50 HZ: 25 fps (704 × 576, 352 × 288) 60 HZ: 30 fps (704 × 480, 352 × 240) Thermal channel 25 fps (704 × 576, 352 × 288, 384 × 288)
Video Compression	Main Stream: H.265/H.264 Sub-Stream: H.265/H.264/MJPEG
Audio Compression	G.722.1/G.711ulaw/G.711alaw/MP2L2/G.726/PCM
Color Palettes	17 types (White hot, Black hot, Fusion 1, Rainbow, Fusion 2, Ironbow 1, Ironbow 2, Sepia, Color 1, Color 2, Ice fire, Rain, Red hot, Green hot, Dark blue, Winter, Summer)

Network

Protocols	802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, TP, Bonjour, SFTP, SRTP, TLS
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
API	ISAPI, ISUP, SDK, and third-party management platform, Open Network Video Interface, ONVIF (Profile S, Profile G, Profile T, Profile M), OTAP
Simultaneous Live View	Up to 20 channels
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
Security	User authentication (ID and password), MAC address binding, IEEE 802.1x access control, IP address filtering
Client	VSP

Interface

Alarm Input	2, alarm input (0-5 VDC)
Alarm Output	2-ch, relay outputs (alarm response actions configurable)
Alarm Action	SD recording/Relay output/Smart capture/FTP upload/Email linkage
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 - 2.4 V [p-p], output impedance: 1 K Ω $\pm$ 10%
Audio Output	Linear level, impedance: 600 Ω
Communication Interface	1, RJ45 10 M/100 M Self-adaptive Ethernet interface

General

Dimension	286.7 mm $\times$ 175.2 mm $\times$ 150.1 mm (11.29" $\times$ 6.9" $\times$ 5.91")
Weight	Approx. 5.85 kg (12.90 lb)
Protection Level	IP68 Standard TVS 6000V lightning protection, surge protection, voltage transient protection IK10-rated housing NEMA 4X anti-corrosion housing
Power supply	100 to 240 VAC, PoE (802.3af) max.8W
Working Temperature/Humidity	Temperature: -40°C to 60°C (-40°F to 140°F) Humidity: 90% or less
Available Languages	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian

Detection Range Table

VCA Range for Humans	24 m
VCA Range for Vehicles	72 m

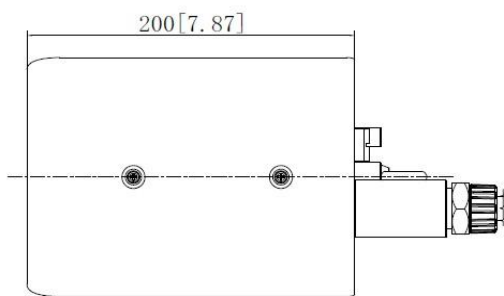
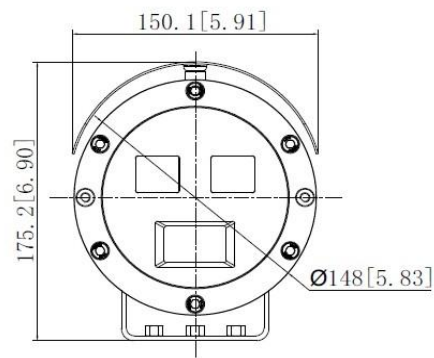
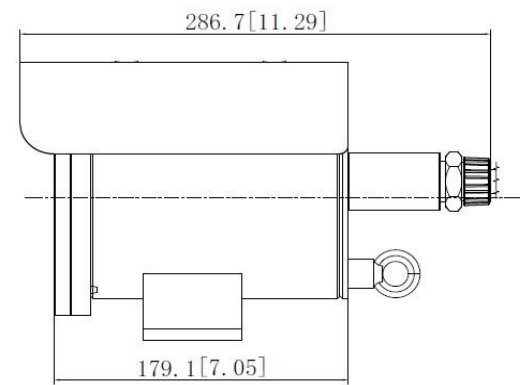
Approval

Protection	IP68: IEC 60529-2013 IK10: IEC 62262-2002
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018), C5

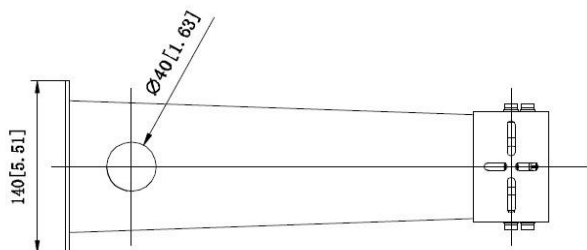
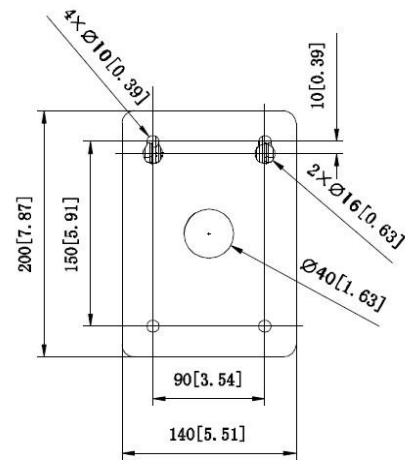
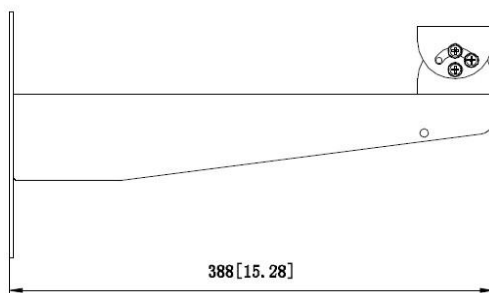
▪ Range Table

VCA Range (Vehicles: 1.4 x 4.0 m)	VCA Range (Vehicles: 1.4 x 4.0 m)	Temperature Measurement (Object: 0.2 x 0.2 m)	Temperature Measurement (Object: 0.5 x 0.5 m)	Fire Detection (Object: 0.2 x 0.2m)	Smoke Detection (Object: 0.5m x 0.5m)	Smoking Detection
72m	24m	10m	25m	30m	12m	4.5m

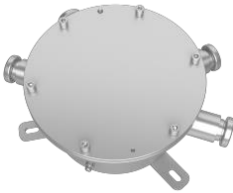
Dimension



Unit: mm(Inch)



Accessory (Optional)

Flexible Conduit G3/4	Junction Box
	

Note: Specifications are subject to change without notice.