

DS-2TD2166-15/25/35

Thermal Network Outdoor Bullet Camera

- 640 x 512 Resolution
- Vanadium Oxide Uncooled FPA
- 15 mm, 25 mm, and 35 mm Lens Options
- NETD <50 mk
- Adaptive AGC, 3D DNR
- Dynamic Detail Enhancement
- Smart Features
 - Line Crossing, Intrusion, Region Entrance/Exit
 - Temperature Exception
 - Advanced Fire Detection
- 14 Pseudo Colors Adjustable
- Includes Conduit Base
- IP66
- POE+ (802.3at), 24 VAC/12 VDC, 18 W



The Hikvision DS-2TD2166-15, DS-2TD2166-25, and DS-2TD2166-35 Thermal Network Bullet Cameras use a vanadium oxide uncooled focal plane sensor to enhance the thermal image quality.

The high sensitivity sensor has 640 x 512 resolution and features contrast adjustment for optimized images. AGC (Automatic Gain Control), 3D DNR (Dynamic Noise Reduction), and Dynamic Detail Enhancement further enhance image quality.

This series of cameras also feature advanced fire detection and a wide range of Smart functions, including temperature exception, line

crossing, intrusion, and region entrance and exit, benefitting users with great improvements on security efficiency and, more importantly, with key events and objects being recorded for further forensic needs.

The cameras can be outfitted with a 15 mm, 25 mm, or 35 mm lens to cover a variety of needs.

Available Models:

DS-2TD2166-15 (15 mm Lens)

DS-2TD2166-25 (25 mm Lens)

DS-2TD2166-35 (35 mm Lens)



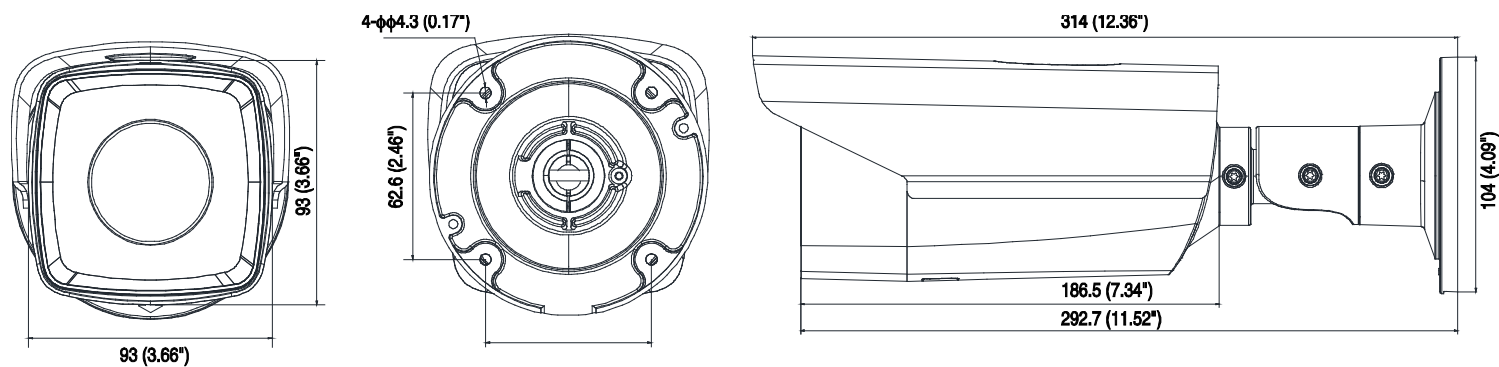
DS-2TD2166-15		DS-2TD2166-25		DS-2TD2166-35	
Thermal Module					
Image Sensor	Vanadium oxide uncooled focal plane arrays				
Maximum Resolution	640 × 512				
Response Waveband	8 μm to 14 μm				
NETD	<50 mk (@ 25° C, F# = 1.0)				
Lens (Focal Length)	15 mm	25 mm		35 mm	
Mrad	1.13	0.68		0.49	
Field of View	39° × 32°	24° × 19°		17° × 14°	
Min. Focusing Distance	2.5 m	13 m		40 m	
F Number	1.0				
Main Stream	50 fps (640 × 512, 384 × 288, 352 × 288)				
Sub Stream	50 fps (640 × 512, 384 × 288, 352 × 288)				
Third Stream	50 fps (640 × 512, 384 × 288, 352 × 288)				
Video compression	H.264/MJPEG/MPEG4, H.264+ encoding with baseline/main/high profile				
Audio Compression	G.711u/G.711a/G.722.1/MP2L2/G.726/PCM				
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour				
Simultaneous Live Views	Up to 20				
User/Host Levels	Up to 32 users, 3 levels: administrator, operator, user				
Security Measures	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering				
Integration					
Alarm Inputs	2-ch inputs (0 to 5 VDC)				
Alarm Outputs	2-ch relay outputs, alarm response actions configurable				
Alarm Actions	SD recording/relay output/smart capture/FTP upload/e-mail linkage				
Audio Inputs	1 3.5 mm mic in/line in interface. line input: 2-2.4 V[p-p], output impedance:1K Ω ±10%				
Audio Outputs	Line level, impedance: 600 Ω				
Reset	1 reset button				
Ethernet	1 RJ-45 10M/100M self-adaptive Ethernet interface				
SD Memory Card	Built-in microSD card slot, supports microSD/SDHC/SDXC card (up to 64 GB), supports manual/alarm recording				
Analog Video Output	1.0 V[p-p] /75 Ω, PAL (or NTSC), BNC				
RS485 Protocols	Half-duplex; HIKVISION, PELCO-P, PELCO-D, self-adaptive				
Application Programming Client	Open-ended API, supports ONVIF, PSIA, CGI, HIKVISION SDK, and third-party management platform				
Web Browser	IE7+, Chrome 18+, Firefox 5.0+, Safari 5.02+				
General					
Menu Language	English				
Power	POE+ (802.3at), 24 VAC, 12 VDC/3 A, 18 W				
Working Temperature	-40° F to 140° F (-40° C to 65° C), 90% or less				
Humidity					
Protection Levels	IP66, TVS 6000 V lightning protection, surge protection, voltage transient protection				
Dimensions	12.36" × 4.09" × 11.52" (314 mm × 104 mm × 292.7 mm)				
Weight	4.41 lb (2 kg)				

Range Performance¹

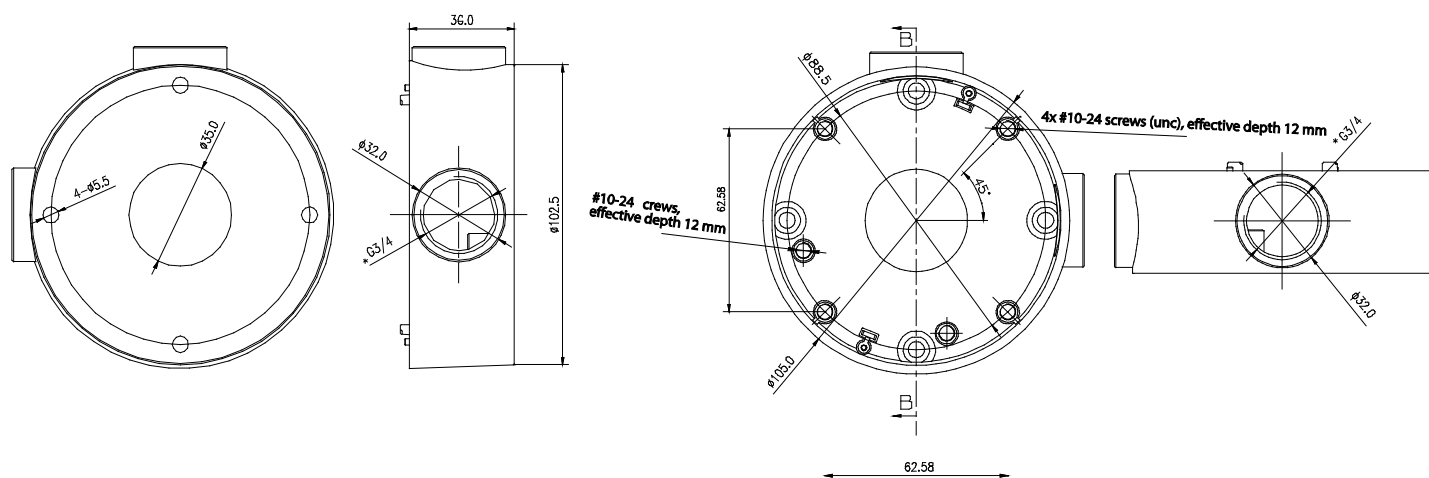
Standard Range Table	Model					
	DS-2TD2166-15		DS-2TD2166-25		DS-2TD2166-35	
Johnson Criteria	Human	Vehicle	Human	Vehicle	Human	Vehicle
Detection	1,447 ft (441 m)	4,439 ft (1,353 m)	2,411 ft (735 m)	7,398 ft (2,255 m)	3,376 ft (1,029 m)	10,358 ft (3,157 m)
Recognition	361 ft (110 m)	1,109 ft (338 m)	604 ft (184 m)	1,850 ft (564 m)	843 ft (257 m)	2,589 ft (789 m)
Identification	180 ft (55 m)	554 ft (169 m)	302 ft (92 m)	925 ft (282 m)	423 ft (129 m)	1,296 ft (395 m)

Smart Functions Range Table		Model		
Line Cross/Intrusion/Region Entrance-Exit	Object	DS-2TD2166-15	DS-2TD2166-25	DS-2TD2166-35
Optimized to Johnson Criteria (Recognition)	Human	361 ft (110 m)	604 ft (184 m)	843 ft (257 m)
	Vehicle	1,109 ft (338 m)	1,850 ft (564 m)	2,589 ft (789 m)
Temperature Exception	Size of Point	Max Range	Max Range	Max Range
Accuracy at 5 × 5 pixels	2 m × 2 m	1,152 ft (351 m)	1,919 ft (585 m)	2,687 ft (819 m)
	1 m × 1 m	581 ft (177 m)	968 ft (295 m)	1,355 ft (350 m)
Advanced Fire Detection	Size of Point	Max Range	Max Range	Max Range
Accuracy at 2 × 2 pixels	2 m × 2 m	2,894 ft (882 m)	4,823 ft (1,470 m)	6,752 ft (2,058 m)
	1 m × 1 m	1,447 ft (441 m)	2,411 ft (735 m)	3,376 ft (1,029 m)

¹Range performance values are calculated under ideal conditions and are not a guarantee of performance.



Camera



Conduit Base (included)