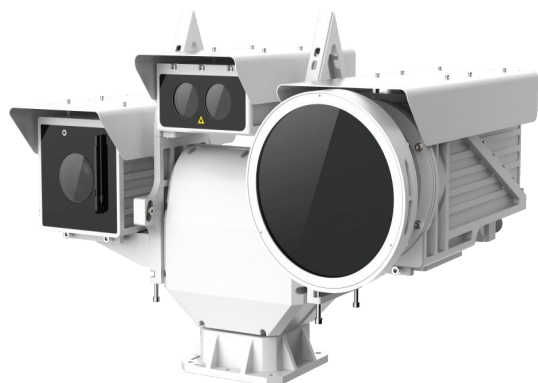


DH-TPC-PT9621C-C90900ZF711BR

Thermal Network Long-Range Hybrid PTZ Camera



*The picture is for reference only, the appearance of the product is subject to the actual production

System Overview

Featuring a dual lens Pan/Tilt/Zoom(PTZ) camera, this series provides an all-in-one solution that is especially beneficial for long distance video surveillance in outdoor applications. The series combines one thermal camera for monitoring in total darkness and one optical camera for confirming details up close.

Technical Specification

Thermal Camera

Image Sensor	Cooled MCT FPA
Effective Pixels	640(H)x512(V)
Pixel Size	15μm
Thermal Sensitivity(NETD)	≤25mK@f/4.0
Spectral Range	3 ~ 5μm

Thermal Lens

Lens Type	Motorized
Focus Control	Auto / Manual
Focal Length	90 ~ 900mm
Field of View	Horizontal: 6.2° ~ 0.6° Vertical: 4.9° ~ 0.5°
Electronic Image Stabilization	Support
Effective Distance ^① (Human: 1.8m*0.6m)	D ^② : 17000m R ^③ : 8600m I ^④ : 5400m
Effective Distance (Vehicle: 4m*1.5m)	D: 34000m R: 17200m I: 10800m

- 640x512 cooled MCT FPA
- 1/1.9" 2Megapixel progressive scan CMOS
- Powerful optical zoom lens (thermal & visible)
- Laser range finder
- Micro SD memory (Optional)
- IP66

Visible Camera

Image Sensor	1/1.9" CMOS
Effective Pixels	1920(H)x1080(V)
Electronic Shutter Speed	1/1 ~ 1/30,000s
Min. Illumination	0.002Lux(Color), 0.0005Lux(B/W)

Visible Lens

Focal Length	12.5 ~ 750mm
Max Aperture	F3.6
Optical Zoom	60x
Field of View	Horizontal: 31.3° ~ 0.3° Vertical: 19.4° ~ 0.2°
Electronic Image Stabilization	Support
Optical Defog	Support
Focus Control	Auto / Manual

Laser Ranger Finder

Wavelength	1.57μm (Eye safe)
Effective Distance	100 ~ 20000m
Accuracy	± 10m

PTZ

Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -45° ~ 60°
Manual Control Speed	Pan: 0.01° ~ 12° /s; Tilt: 0.01° ~ 8° /s
Preset Speed	Pan: 0.01° ~ 12° /s; Tilt: 0.01° ~ 8° /s
Preset	300
Protocol	DH-SD, Pelco-P/D (Auto recognition)

Video

Compression	H.265 / H.264 / MJPEG
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Frame Rate	Main Stream: Thermal: 1280x1024(default) / 720P @1 ~ 50fps Visible: 1080P(default) / 720P @1 ~ 25fps
	Sub Stream: Thermal: 640x512(default) / 320x256 @1 ~ 50fps Visible: CIF(default) / D1 @1 ~ 25fps
Bit Rate Control	CBR / VBR
Day/Night	Auto(ICR) / Color / B/W
Digital Zoom(Visible)	16x

Audio

Compression	G.711A / G.711Mu / AAC
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Intelligence

Advanced Intelligent Functions	Tripwire/Intrusion/Auto Tracking/Human & Vehicle Classification
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Network

Ethernet	RJ-45
Protocol	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, ONVIF
Interoperability	ONVIF Profile S&G, API
Streaming Method	Unicast / Multicast
Max. User Access	10 Users / 20 Users
Edge Storage	Micro SD Memory status display (Normal / Error / Active / Formatting / Lock), NAS (Network Attached Storage), Local PC for instant recording
Web Viewer	<IE11, <Chrome45, <Firefox52

Interface

Video Interface	1.0Vp-p / 75Ω, PAL
Audio Interface	1 Input / 1 Output
RS485	Support
Alarm	2/1 In/Out

Electrical

Power Supply	DC 36V ± 10%
Power Consumption	Max. 200W (laser range finder on)

Environmental

Operating Conditions	-20°C ~ +50°C
Storage Conditions	-40°C ~ +70°C
Relative Humidity	Less than 95% RH
Ingress Protection	IP66

Construction

Casing	Metal
Dimension	740mm x 850mm x 517mm (subject to the actual production)
Net Weight	<100Kg (subject to the actual production)

Note:
① Effective distance values shown are nominal values and should be used as estimates only. Exact value calculations depend on a wide variety of conditions. These values are calculated according to Stanag 4347 standards.
② D: Detection Distance
③ R: Recognition Distance
④ I : Identification Distance