

RPTIRS-SD464-T

Dual-spectrum Speed Dome Network Camera



Technical Specification

Thermal

Sensor Type	VOx, uncooled FPA detectors
Spectral Range	8~14μm
NETD	≤40mK(@25°C,F#1.0,25Hz)
Max. Resolution	640×512
Pixel Pitch	12μm
Focal Length	9.1mm / 13mm / 25mm / 50mm
Focus Mode	Athermal / Motorized
FOV	45.8° x 37.3° / 33° x 26° / 17.5° x 14.0° / 8.8° x 7.0°
F number	1.0
Spatial Resolution	1.32mrad / 0.92mrad / 0.48mrad / 0.24mrad
Color Palette	20 modes selectable such as Blackhot / Whitehot / Rainbow and etc.

Visible

Sensor	4MP 1/1.8" Progressive Scan CMOS
Max Resolution	25650×1440
Focal Length	6.5 – 240mm
Focus Mode	Auto / Manual / One-shot auto
FOV	Horizontal 70° ~ 2.51°
Low	Color: 0.005Lux@(F1.3, AGC ON); B/W: 0.001Lux@(F1.3, AGC ON); 0 Lux with IR
WDR	120dB
Day/Night	ICR auto switch/color to mono
Denoise	3D Denoise
IR Light	Max. 200m
PIP	Display thermal image on visible light channel

PTZ

Pan Range	360° Continuous
Pan Speed	Manual: 0.05°~120°/s, Preset: 180°/s
Tilt Range	-15°~90°, support auto flip
Tilt Speed	Manual: 0.05°~100°/s, Preset: 150°/s
Preset accuracy	±0.1°
Preset	255
Patrol scan	8 patrols, 256 preset on each patrol
Scan mode	Preset/Patrol scan/Pattern scan/Region scan/Linear scan/Scan tour
3D positioning	Support
Privacy mask	Support
Idle action	Preset/Patrol scan/Pattern scan/Region scan/Linear scan
Scheduled task	Preset/Patrol scan/Pattern scan/Region scan/Linear scan
Highlight protection	Support
Remote restart	Support

RPTIRS-SD464-T

Dual-spectrum Speed Dome Network Camera

Network

Network Protocols	IPv4, HTTP, HTTPS, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP
Platform Access	ONVIF, GB28181, SDK
Simultaneous Live View	8
User Management	Max. 20 users, 3 levels: Admin, operator, user
Browser	Support Chrome, Firefox, Edge, etc.

Video

Max. Resolution	2560x1440 (Visible), 1920x1080(Thermal)
Image Format	JPEG
Audio Compression Standard	G.711a/G.711u/AAC/PCM
Video Compression Standard	H.264/H.265
Main Stream	Visible: 50Hz: 25fps (2560x1440, 1920x1080, 1280x720) 60Hz: 30fps (2560x1440, 1920x1080, 1280x720) Thermal: 50Hz: 25fps (1920x1080, 1280x1024, 1024x768) 60Hz: 30fps (1920x1080, 1280x1024, 1024x768)
Sub Stream	Visible: 50Hz:25fps (1920x1080, 352x288) 60Hz:30fps (1920x1080, 352x240) Thermal: 50Hz:25fps (640x512) 60Hz:30fps (640x512)

Temperature Measurement

Range	-20°C~+550°C
Accuracy	±2°C or ±2%
Analysis	Support full-frame, point, line, region measurement and linkage alarm

Smart Functions

Fire Detection	Support
Smart Record	Alarm trigger recording, disconnection trigger recording
Smart Alarm	Support triggering of network disconnection, IP address conflict, memory error, illegal access and burn warning
Smart Detecting	Support smart video analysis such as cross line detection, region intrusion etc.
2-way Talk	Support
Alarm Linkage	Recording/Capture/Sending mail/PTZ linkage/Alarm output

System Interface

Power Supply	AC 24V±25%
Communication Interface	1 RJ45 10M / 100M self-adaptive ethernet port
Audio Interface	1 x input, 1 x output
Alarm Interface	7 x input, 2 x output
Storage Interface	Micro SD (Max. 256G)
Reset Button	Support
RS-485	1 x RS485, can support Pelco

General

Operating Temperature & Humidity	-40°C ~+70°C; <95%RH
Protection Grade	IP66
Power Consumption	Max. 48W
Dimensions	Φ250mm × 413mm

RPTIRS-SD464-T

Dual-spectrum Speed Dome Network Camera

Operating Distance

The recommended distance of detecting, recognizing and identifying for human (1.8 × 0.5m) and vehicles (1.4×4.0m) are as follows:

DD stands for Detecting Distance. **RD** stands for Recognizing Distance. **ID** stands for Identifying Distance.

Lens	DD (Vehicle)	DD (Human)	RD (Vehicle)	RD (Human)	ID (Vehicle)	ID (Human)
9.1mm	1163m	379m	291m	95m	145m	47m
13mm	1661m	542m	415m	135m	208m	68m
25mm	3194m	1042m	799m	260m	399m	130m
50mm	6389m	2083m	1797m	521m	799m	260m