

## Dual-spectrum speed dome camera

### UNC-SD464-IRS



#### Product Specification

Technical Index		UNC-SD464-IRS
Thermal	Sensor Type	VOx uncooled FPA detector
	Spectral Range	8~14 $\mu$ m
	NETD	$\leq$ 40mK(@25°C,F#1.0,25Hz)
	Max. Resolution	640 $\times$ 512
	Pixel Pitch	12 $\mu$ m
	Focal Length	9.1mm/13mm/25mm/50mm
	Focus Mode	Athermal/Motorized
	FOV	45.8 $^{\circ}$ $\times$ 37.3 $^{\circ}$ /33 $^{\circ}$ $\times$ 26 $^{\circ}$ /17.5 $^{\circ}$ $\times$ 14.0 $^{\circ}$ /8.8 $^{\circ}$ $\times$ 7.0 $^{\circ}$
	F number	1.0
	Spatial Resolution	1.32mrad/ 0.92mrad /0.48mrad/0.24mrad
	Color Palettes	20 modes selectable such as Blackhot/Whitehot/Rainbow,etc.
Visible	Image sensor	4MP 1/1.8" Progressive Scan CMOS
	Max. Resolution	2560 $\times$ 1440
	Focal Length	6.5~240mm

	Focus Mode	Auto/Manual/One-shot auto
	FOV	Horizontal70°~ 2.51°
	Low	Color: 0.005 Lux @(F1.3, AGC ON) B/W: 0.001 Lux @(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 patrol, 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	
Network	Network protocol	IPv4,IPv6,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	2560×1440(Visible), 1920×1080(Thermal)
	Image format	JPEG
	Audio Compression	G.711a/G.711u/AAC/PCM
	Video Compression	H.264/H.265
	Main Stream	Visible: 50Hz:25fps(2560×1440,1920×1080,1280×720) 60Hz:30fps(2560×1440,1920×1080,1280×720) Thermal: 50Hz:25fps(1920×1080,1280×1024,1024×768) 60Hz:30fps(1920×1080,1280×1024,1024×768)
Sub Stream	Visible: 50Hz:25fps(704×576,352×288) 60Hz:30fps(704×480,352×240)  Thermal: 50Hz:25fps(640×512) 60Hz:30fps(640×512)	
Temperature measurement	Range	-20°C~+55°C
	Accuracy	±2°C or ±2%
	Analysis	Support full-frame, point, line, region measurement and linkage alarm
Smart Function	Fire Detection	Support
	Smart Record	Alarm trigger recording, disconnection trigger recording
	Smart Alarm	Support alarm trigger of network disconnection, IP address conflict, full memory, memory error, illegal access and abnormal detection
	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*input, 1*output
	Alarm Interface	7*input, 2*output
	Storage Interface	Micro SD(Max.256G)
	Reset button	support
	Serial port	1*RS485, can support Pelco
General	Operating Conditions	-40°C~+70°C; <95%RH
	Protection Grade	IP66
	Power Consumption	Max. 48w
	Dimension	Φ250*413
	Weight	8kg

## Operating Distance

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

Lens	DD (Vehicle)	DD (Man)	RD (Vehicle)	RD (Man)	ID (Vehicle)	ID (Man)
9.1mm	1163m	379m	291m	95m	145m	47m
25mm	3194m	1042m	799m	260m	399m	130m
50mm	6389m	2083m	1797m	521m	799m	260m

## Dimension

