

## 1280 50~350mm Continuous Zoom HD Thermal Network Camera Modules | VS-SCMA3507NR2-D



- 1280\*1024, Uncooled VOx 12μm Detector
- 50~350mm Continuous Zoom Lens, Fast and accurate autofocus.
- Max. Resolution: 1280\*1024 @ 25fps.
- Support Electronical Imaging Stabilization, Various pseudo-colour adjustments, image detail enhancement system functions.
- Support dual streams, meet the varying demands of stream bandwidth and frame rate for live preview and storage.
- Support H.265 & H.264 Compression.
- Support IVS: Tripwire, Intrusion, Loitering, etc.
- Support ONVIF, Compatible with VMS and network devices from leading manufacturers.
- Full functions: PTZ control, Alarm, Audio, OSD.

# Specification

LWIR Camera		
Detector	Type	Uncooled VOx Microbolometer
	Pixel Pitch	12μm
	Array Size	1280 * 1024
	Spectral Band	8 ~ 14μm
	NETD	≤50mK@25°C, F#1.0
、	Focal Length	50 ~ 350mm
	Zoom	7×
	Aperture	FNo: 1.4
	HFOV	17.46° ~ 2.51°
	VFOV	14.01° ~ 2.01°
	Zoom Speed	5.0Sec (Optics, Wide ~ Tele)
Video & Audio Network	Compression	H.265/H.264/H.264H/MJPEG
	Resolution	Main Stream: PAL@25fps: 1280*1024 704*576 NTSC@25fps: 1280*1024 704*480 Sub Stream1: PAL@25fps: 740*576 352*288 NTSC@25fps: 740*480 352*240 Sub Stream2: PAL@25fps: 740*576 352*288 NTSC@25fps: 740*480 352*240
	Video Bit Rate	8kbps ~ 50Mbps
	Audio Compression	AAC / MPEG2-Layer2
	Storage Capabilities	TF card, up to 1TB
	Network Protocols	ONVIF, HTTP, RTSP, RTP, TCP, UDP
	General Events	Motion Detection, Tamper Detection, Scene Changing,
	IVS	Tripwire, Intrusion, Loitering, etc.
	Noise Reduction	Support
Image Settings		Brightness, Contrast, Sharpness, etc.
Upgrade		Support
FFC Mode		Auto / Manual
Fire Alarm		Support
Focus Model		Auto/Manual/Semi-Auto
Digital Zoom		4X
Electronic Imaging Stabilization		Support
External Control		2x TTL3.3V, Compatible with PELCO protocols RS485, Compatible with VISCA protocols
Video Output		Network / SDI
Baud Rate		9600
Operating Conditions		-30°C ~ +60°C; 20% to 80% RH
Storage Conditions		-40°C ~ +70°C; 20% to 95% RH
Weight		19200g
Power		+9 ~ +12V DC (Recommend: 12V)

Power Consumption	Static: 4.0W; Max: 8.4W	
Dimension (mm)	430.24*300*325	
DRI Distance <sup>1</sup>		
Effective Distance, human (1.80 m x 0.5 m) <sup>1</sup>	Detection	9722m (31896 ft)
	Recognition	2431m (7975 ft)
	Identification	1215m (3986 ft)
Effective Distance, vehicle (4.0 m x 1.40 m) <sup>1</sup>	Detection	27222m (89311 ft)
	Recognition	6806m (22506 ft)
	Identification	3403m (11164 ft)

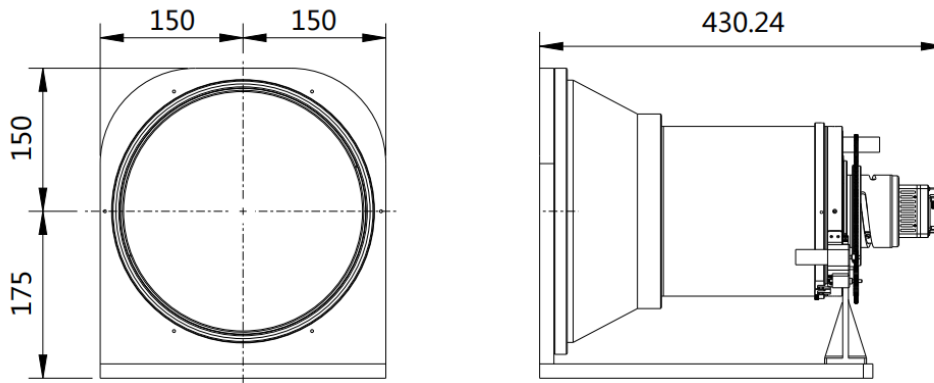
1. An infrared camera's effective range is what is meant by "seeing an object". Defined thresholds, known as Johnson's Criteria, refer to the minimum number of pixels necessary to either detect, recognize, or identify targets captured by scene imagers. The lower limits of detection, recognition, and identification (DRI), according to Johnson criteria are:

Detection: In order to distinguish an object from the background, the image must be covered by 1.5 or more pixels.

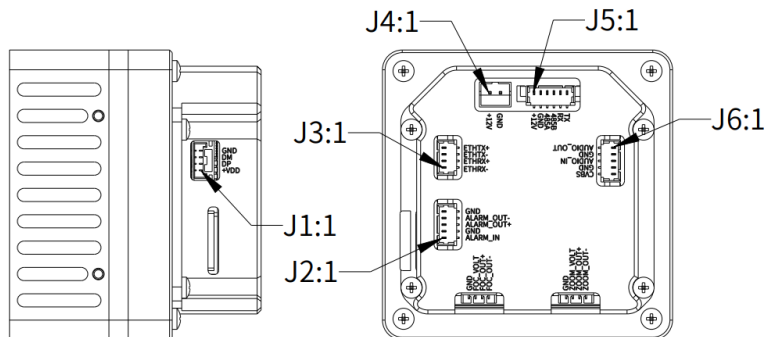
Recognition: In order to classify the object (animal, human, vehicle, boat, etc.), the image must have at least 6 pixels across its critical dimension.

Identification: In order to identify the object and describe it in details, the critical dimension must have be least 12 pixels across.

## Dimension (mm)



## Interface



J1 (SM04B-GHS-TB 1.25MM)

1	+VDD_USB
2	USB_DP
3	USB_DM
4	GND

J3 (A1251AWV-04A 1.25MM)

1	ETHRX-
2	ETHRX+
3	ETHTX-
4	ETHTX+

J5 (A1251AWV-06A 1.25MM)

1	+12V
2	GND
3	RXD1(TTL3.3V,Pelco)
4	TXD1(TTL3.3V,Pelco)
5	RXD0(TTL3.3V,Visca)
6	TXD0(TTL3.3V,Visca)

J2 (A1251AWV-05A 1.25MM)

1	ALARM_IN
2	GND
3	ALARM_OUT+
4	ALARM_OUT-
5	GND

J4 (PH-2A 2.0MM)

1	+12V
2	GND

J6 (A1251AWV-05A 1.25MM)

1	AUDIO_OUT
2	GND
3	AUDIO_IN
4	GND
5	CVBS