

OTL CAMERA MODULE PRODUCT PORTFOLIO

Advanced Zoom & Long-Range Imaging
From Visible, SWIR to Thermal

2025 H2

VISIBLE

NIR

SWIR

THERMAL



01 ZOOM CAMERA MODULES

SCZ-K / SCZ-800 / SCZ-300 / SCZ-200 / SCZ-100 / SCZ-C

02 THERMAL IMAGING

LWIR Zoom & Fixed Lens / Compact EO-IR / Cooled MWIR

03 SWIR CAMERA MODULES

SWIR Zoom Series / SWIR Box-Type Series

04 ACCESSORIES

Laser IR Illuminator / Laser Range Finder / Expansion Boards

VISIBLE • NIR • SWIR • MWIR • LWIR

OTL | CAMERA TECHNOLOGY

OTL Camera Module Product Portfolio

Advanced Zoom & Long-Range Imaging | Visible, NIR, SWIR, MWIR and LWIR | Portfolio source: 2025 H2

PORTFOLIO OVERVIEW

This portfolio organizes the camera-module and accessory families shown in the supplied 2025 H2 product portfolio into an editable catalog. It covers visible-light zoom cameras, uncooled and cooled thermal imaging, SWIR modules, laser IR illuminators, laser range finders, and camera expansion boards.

The source describes zoom modules spanning 2MP to 8MP in its general introduction, focal lengths up to 1200 mm, options with electronic or optical image stabilization, digital/optical defog, analytics, and a range of network and digital interfaces. Not every feature applies to every model; model-specific details are shown in the tables below.

Spectrum reference in the source: visible (VIS) 400–700 nm; near infrared (NIR) 700–1000 nm; short-wave infrared (SWIR) 1000–1700 nm; mid-wave infrared (MWIR) 3.7–4.8 μm ; long-wave infrared (LWIR) 8–14 μm .

Added explanatory text and editorial review notes are highlighted in red. Product values in the editable tables are transcribed from the supplied PDF; consult the original page references for dense cells or any detail that did not extract cleanly.

PORTFOLIO NAVIGATION

Section	Family	Included series / items	Source location
01	Zoom Camera Modules	SCZ-K, SCZ-800, SCZ-300, SCZ-200, SCZ-100, SCZ-C	Source pages 9–16
02	Thermal Imaging Modules	LWIR HD/VGA Zoom, HD/VGA Fixed Lens, Compact EO/IR, cooled MWIR	Source pages 17–24
03	SWIR Camera Modules	SWIR Zoom Series, SWIR Box-Type Series	Source pages 25–27
04	Accessories	Laser IR Illuminator, Laser Range Finder, Camera Expansion Board	Source pages 28–31

COMMON PLATFORM AND INTEGRATION FEATURES

- Zoom-camera portfolio: network outputs are commonly listed as 10/100M Ethernet, with model-dependent MIPI, LVDS, or other output formats.
- Analytics listed in the source across many model tables include perimeter intrusion detection, abnormal-behavior detection, smart tracking, human/vehicle classification, fire and smoke detection, and smoking/calling detection.
- Thermal input, audio, alarm, serial communication, and edge-storage options differ by module family; check each model table rather than assuming all interfaces are present.
- The source presents integration options including VISCA/Pelco control, RS485, ONVIF profiles, HTTP API, and Linux SDK across different parts of the ecosystem.

FULL-SPECTRUM IMAGING REFERENCE

Band	Wavelength / spectral range (source)	Portfolio role / description
VIS	400–700 nm	Visible-light imaging
NIR	700–1000 nm	Near-infrared imaging
SWIR	1000–1700 nm	Short-wave infrared modules
MWIR	3.7–4.8 μm	Cooled mid-wave infrared modules
LWIR	8–14 μm	Uncooled long-wave infrared modules

Zoom Camera Modules — SCZ-K Series

Editable table transcription | Original source page 10

Parameter	VS-SCZ5260VIE-8	VS-SCZ4060VIOE-8	VS-SCZ4060VIB-8	VS-SCZ2260VIE-8
Image Sensor	1/1.8" 5MP Global Shutter CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.7" 2.4MP Global Shutter CMOS
Focal Length	20 - 1200mm, 60x Optical Zoom	20 - 1200mm, 60x Optical Zoom	20 - 1200mm, 60x Optical Zoom	20 - 1200mm, 60x Optical Zoom
Max. Aperture	F2.9 - F11.3	F2.9 - F11.3	F2.9 - F11.3	F2.9 - F11.3
Angle of View	HFoV: 19.0° - 0.32° VFoV: 16.0° - 0.27°	HFoV: 22.1° - 0.37° VFoV: 12.6° - 0.21°	HFoV: 22.1° - 0.37° VFoV: 12.6° - 0.21°	HFoV: 21.7° - 0.37° VFoV: 12.3° - 0.21°
Min. Illumination	Color: 0.05Lux/F2.9	Color: 0.01Lux/F2.9	Color: 0.01Lux/F2.9	Color: 0.05Lux/F2.9
Max. Resolution / Frame Rate	Network: 2448x2048 (5MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps
Image Stabilization	EIS(built-in gyro sensor)	OIS + EIS	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)
Defog	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Video Output	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI
Thermal Image Input	BT601/USB	BT601/USB	BT601/USB	BT601/USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 5W, Max 10W	9V - 12VDC: Typical 5W, Max 10W	9V - 12VDC: Typical 5W, Max 10W	9V - 12VDC: Typical 5W, Max 10W
Dimensions(LxWxH)	400 x 125 x 125mm	400 x 125 x 125mm	400 x 125 x 125mm	400 x 125 x 125mm
Weight	5kg	5kg	5kg	5kg
DORI Distance(M)	17518 / 6952 / 3504 / 1752	16552 / 6568 / 3310 / 1655	16552 / 6568 / 3310 / 1655	12000 / 4762 / 2400 / 1200
Special Features	AI-ISP, 30g Shock Resistance, High Precision Optical Axis	AI-ISP, 30g Shock Resistance, High Precision Optical Axis, Optical Image Stabilization	AI-ISP, 30g Shock Resistance, High Precision Optical Axis	AI-ISP, 30g Shock Resistance, High Precision Optical Axis, 4.0µm Pixel Size, 120fps Customizable

[RED]The visual source lists 5 model labels while the editable table extraction returns 4 model columns; refer to original source page 10 for any omitted rightmost columns.

SCZ-K Series



VS-SCZ5260VIE-8



VS-SCZ4060VIOE-8



VS-SCZ4060VIB-8



VS-SCZ2260VIE-8



VS-SCZ4058VIB-8

Image Sensor	1/1.8" 5MP Global Shutter CMOS Proglas S	1/1.8" 4MP CMOS STARVIS	1/1.8" 4MP CMOS STARVIS	1/1.7" 2.4MP Global Shutter CMOS	1/1.8" 4MP CMOS STARVIS
Focal Length	20 - 1200mm, 60x Optical Zoom	20 - 1200mm, 60x Optical Zoom	20 - 1200mm, 60x Optical Zoom	20 - 1200mm, 60x Optical Zoom	17.3 - 1000mm, 58x Optical Zoom
Max. Aperture	F2.9 - F11.3	F2.9 - F11.3	F2.9 - F11.3	F2.9 - F11.3	F2.9 - F9.7
Angle of View	HFoV: 19.0° - 0.32° VFoV: 16.0° - 0.27°	HFoV: 22.1° - 0.37° VFoV: 12.6° - 0.21°	HFoV: 22.1° - 0.37° VFoV: 12.6° - 0.21°	HFoV: 21.7° - 0.37° VFoV: 12.3° - 0.21°	HFoV: 25.3° - 0.45° VFoV: 14.5° - 0.25°
Min. Illumination	Color: 0.05Lux/F2.9	Color: 0.01Lux/F2.9	Color: 0.01Lux/F2.9	Color: 0.05Lux/F2.9	Color: 0.01Lux/F2.9
Max. Resolution / Frame Rate	Network: 2448x2048 (5MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps
Image Stabilization	EIS(built-in gyro sensor)	OIS + EIS	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)
Defog	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Video Output	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI
Thermal Image Input	BT601/USB	BT601/USB	BT601/USB	BT601/USB	BT601/USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 5W, Max 10W	9V - 12VDC: Typical 5W, Max 10W	9V - 12VDC: Typical 5W, Max 10W	9V - 12VDC: Typical 5W, Max 10W	9V - 12VDC: Typical 5W, Max 10W
Dimensions(LxWxH)	400 x 125 x 125mm	400 x 125 x 125mm	400 x 125 x 125mm	400 x 125 x 125mm	400 x 125 x 125mm
Weight	5kg	5kg	5kg	5kg	5kg
DORI Distance(M)	17518 / 6952 / 3504 / 1752	16552 / 6568 / 3310 / 1655	16552 / 6568 / 3310 / 1655	12000 / 4762 / 2400 / 1200	13793 / 5473 / 2759 / 1379
Special Features	AI-ISP, 30g Shock Resistance, High Precision Optical Axis	AI-ISP, 30g Shock Resistance, High Precision Optical Axis, Optical Image Stabilization	AI-ISP, 30g Shock Resistance, High Precision Optical Axis	AI-ISP, 30g Shock Resistance, High Precision Optical Axis, 4.0µm Pixel Size, 120fps Customizable	AI-ISP, 30g Shock Resistance, High Precision Optical Axis

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories

Zoom Camera Modules — SCZ-800 Series

Editable table transcription | Original source page 11

Parameter	VS-SCZ8052KI-8	VS-SCZ4052YIO-8	VS-SCZ2057YIO-8	VS-SCZ4052YIE-8	VS-SCZ2057YIE-8
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Focal Length	15 - 775mm, 52× Optical	15 - 775mm, 52× Optical	15 - 850mm, 57× Fusion Zoom	15 - 775mm, 52× Optical	15 - 850mm, 57× Fusion Zoom
Max. Aperture	F2.8 - F8.2	F2.8 - F8.2	F2.8 - F8.2	F2.8 - F8.2	F2.8 - F8.2
Angle of View	HFoV: 28.7° - 0.57° VFoV: 16.4° - 0.32°	HFoV: 29.1° - 0.58° VFoV: 16.7° - 0.33°	HFoV: 29.1° - 0.53° VFoV: 16.7° - 0.3°	HFoV: 29.1° - 0.58° VFoV: 16.7° - 0.33°	HFoV: 29.1° - 0.53° VFoV: 16.7° - 0.3°
Min. Illumination	Color: 0.05Lux/F2.8	Color: 0.01Lux/F2.8	Color: 0.01Lux/F2.8	Color: 0.01Lux/F2.8	Color: 0.01Lux/F2.8
Max. Resolution / Frame Rate	Network: 3840x2160 (4K)@25/30fps LVDS: 1920×1080 (1080P)@25/30fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 1920×1080 (1080P)@50/60fps MIPI: 1920×1080 (1080P)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 1920×1080 (1080P)@50/60fps MIPI: 1920×1080 (1080P)@50/60fps
Image Stabilization	EIS	OIS + EIS	OIS + EIS	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)
Defog	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Video Output	10/100M Ethernet, LVDS	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI
Thermal Image Input	USB	BT601/USB	BT601/USB	BT601/USB	BT601/USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4W, Max 9.5W	9V - 12VDC: Typical 4.5W, Max 9.8W	9V - 12VDC: Typical 4.5W, Max 9.8W	9V - 12VDC: Typical 4.5W, Max 9.8W	9V - 12VDC: Typical 4.5W, Max 9.8W
Dimensions(LxWxH)	320 x 109 x 109mm	320 x 109 x 109mm	320 x 109 x 109mm	320 x 109 x 109mm	320 x 109 x 109mm
Weight	3.1kg	3.2kg	3.2kg	3.2kg	3.2kg
DORI Distance(M)	15500 / 6151 / 3100 / 1550	10690 / 4242 / 2138 / 1069	11724 / 4652 / 2345 / 1172	10690 / 4242 / 2138 / 1069	11724 / 4652 / 2345 / 1172
Special Features	4K, NDAA, High Precision Optical Axis	AI-ISP, High Precision Optical Axis, Optical Image Stabilization	AI-ISP, High Precision Optical Axis, Optical Image Stabilization	AI-ISP, High Precision Optical Axis	AI-ISP, High Precision Optical Axis

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SCZ-800 Series



VS-SCZ8052KI-8



VS-SCZ4052YIO-8



VS-SCZ2057YIO-8



VS-SCZ4052YIE-8



VS-SCZ2057YIE-8



VS-SCZ3052NIO-G

Image Sensor	1/1.8" 8MP CMOS STARVIS 2	1/1.8" 4MP CMOS STARVIS	1/1.8" 4MP CMOS STARVIS	1/1.8" 4MP CMOS STARVIS	1/1.8" 4MP CMOS STARVIS	1/1.8" 3MP Global Shutter CMOS Proplus
Focal Length	15 - 775mm, 52× Optical	15 - 775mm, 52× Optical	15 - 850mm, 57× Fusion Zoom	15 - 775mm, 52× Optical	15 - 850mm, 57× Fusion Zoom	15 - 775mm, 52× Optical
Max. Aperture	F2.8 - F8.2	F2.8 - F8.2	F2.8 - F8.2	F2.8 - F8.2	F2.8 - F8.2	F2.8 - F8.2
Angle of View	HFoV: 28.7° - 0.57° VFoV: 16.4° - 0.32°	HFoV: 29.1° - 0.58° VFoV: 16.7° - 0.33°	HFoV: 29.1° - 0.53° VFoV: 16.7° - 0.3°	HFoV: 29.1° - 0.58° VFoV: 16.7° - 0.33°	HFoV: 29.1° - 0.53° VFoV: 16.7° - 0.3°	HFoV: 26.5° - 0.52° VFoV: 20° - 0.39°
Min. Illumination	Color: 0.05Lux/F2.8	Color: 0.01Lux/F2.8	Color: 0.01Lux/F2.8	Color: 0.01Lux/F2.8	Color: 0.01Lux/F2.8	Color: 0.05Lux/F2.8
Max. Resolution / Frame Rate	Network: 3840x2160 (4K)@25/30fps LVDS: 1920x1080 (1080P)@25/30fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps	Network: 2048x1536 (3MP)@25/30fps LVDS: 1920x1080 (1080P)@25/30fps
Image Stabilization	EIS	OIS + EIS	OIS + EIS	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)	OIS + EIS
Defog	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking
Video Output	10/100M Ethernet, LVDS	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, LVDS
Thermal Image Input	USB	BT601/USB	BT601/USB	BT601/USB	BT601/USB	USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VSCA & Pelco)	TTL x 2 (VSCA & Pelco)	TTL x 2 (VSCA & Pelco)	TTL x 2 (VSCA & Pelco)	TTL x 2 (VSCA & Pelco)	TTL x 2 (VSCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4W, Max 9.5W	9V - 12VDC: Typical 4.5W, Max 9.8W	9V - 12VDC: Typical 4.5W, Max 9.8W	9V - 12VDC: Typical 4.5W, Max 9.8W	9V - 12VDC: Typical 4.5W, Max 9.8W	9V - 12VDC: Typical 4W, Max 9.5W
Dimensions(LxWxH)	320 x 109 x 109mm	320 x 109 x 109mm	320 x 109 x 109mm	320 x 109 x 109mm	320 x 109 x 109mm	320 x 109 x 109mm
Weight	3.1kg	3.2kg	3.2kg	3.2kg	3.2kg	3.2kg
DORI Distance(M)	15500 / 6151 / 3100 / 1550	10690 / 4242 / 2138 / 1069	11724 / 4652 / 2345 / 1172	10690 / 4242 / 2138 / 1069	11724 / 4652 / 2345 / 1172	8986 / 3566 / 1797 / 899
Special Features	4K, NDAA, High Precision Optical Axis	AI-ISP, High Precision Optical Axis, Optical Image Stabilization	AI-ISP, High Precision Optical Axis, Optical Image Stabilization	AI-ISP, High Precision Optical Axis	AI-ISP, High Precision Optical Axis	High Precision Optical Axis, Optical Image Stabilization

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories

Visual reference: source page 11; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Zoom Camera Modules — SCZ-300 Series

Editable table transcription | Original source page 12

Parameter	VS-SCZ8050VIE-8	VS-SCZ4065VIE-8	VS-SCZ2090VIE-8	VS-SCZ4050YIE-8	VS-SCZ2068YIE-8
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Focal Length	6 - 300mm, 50x Optical Zoom	6 - 400mm, 65x Fusion Zoom	6 - 540mm, 90x Fusion Zoom	6 - 300mm, 50x Optical Zoom	6 - 408mm, 68x Fusion Zoom
Max. Aperture	F1.4 - F4.5	F1.4 - F4.5	F1.4 - F4.5	F1.4 - F4.5	F1.4 - F4.5
Angle of View	HFoV: 65.2° - 1.47° VFoV: 39.6° - 0.83°	HFoV: 65.2° - 1.10° VFoV: 39.6° - 0.62°	HFoV: 65.2° - 0.81° VFoV: 39.6° - 0.46°	HFoV: 65.0° - 1.49° VFoV: 40.3° - 0.84°	HFoV: 65.0° - 1.09° VFoV: 40.3° - 0.62°
Min. Illumination	Color: 0.005Lux/F1.4	Color: 0.005Lux/F1.4	Color: 0.005Lux/F1.4	Color: 0.001Lux/F1.4	Color: 0.001Lux/F1.4
Max. Resolution / Frame Rate	Network: 3840x2160 (4K)@50/60fps MIPI: 3840x2160 (4K)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps
Image Stabilization	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)
Defog	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Video Output	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI
Thermal Image Input	BT601/USB	BT601/USB	BT601/USB	BT601/USB	BT601/USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 5.9W, Max 10W	9V - 12VDC: Typical 5.9W, Max 10W	9V - 12VDC: Typical 5.9W, Max 10W	9V - 12VDC: Typical 4.2W, Max 8.5W	9V - 12VDC: Typical 4.2W, Max 8.5W
Dimensions(LxWxH)	175.8 x 72.2 x 77.3mm	175.8 x 72.2 x 77.3mm	175.8 x 72.2 x 77.3mm	175.8 x 72.2 x 77.3mm	175.8 x 72.2 x 77.3mm
Weight	970g	970g	970g	970g	970g
DORI Distance(M)	6000 / 2381 / 1200 / 600	6000 / 2381 / 1200 / 600	6000 / 2381 / 1200 / 600	4138 / 1642 / 828 / 414	4138 / 1642 / 828 / 414
Special Features	AI-ISP, ColorView, 3 Filters, High Precision Optical Axis	AI-ISP, ColorView, 3 Filters, High Precision Optical Axis	AI-ISP, ColorView, 3 Filters, High Precision Optical Axis	AI-ISP, ColorView, 3 Filters, High Precision Optical Axis	AI-ISP, ColorView, 3 Filters, High Precision Optical Axis

[RED]The visual source lists 6 model labels while the editable table extraction returns 5 model columns; refer to original source page 12 for any omitted rightmost columns

SCZ-300 Series



VS-SCZ8050VIE-8



VS-SCZ4065VIE-8



VS-SCZ2090VIE-8



VS-SCZ4050YIE-8



VS-SCZ2068YIE-8



VS-SCZ3050NM-8

Image Sensor	1/1.8" 8MP CMOS STARVIS 2	1/1.8" 8MP CMOS STARVIS 2	1/1.8" 8MP CMOS STARVIS 2	1/1.8" 4MP CMOS STARVIS	1/1.8" 4MP CMOS STARVIS	1/1.8" 3MP CMOS Progras 5
Focal Length	6 - 300mm, 50x Optical Zoom	6 - 400mm, 65x Fusion Zoom	6 - 540mm, 90x Fusion Zoom	6 - 300mm, 50x Optical Zoom	6 - 408mm, 68x Fusion Zoom	6 - 300mm, 50x Optical Zoom
Max. Aperture	F1.4 - F4.5	F1.4 - F4.5	F1.4 - F4.5	F1.4 - F4.5	F1.4 - F4.5	F1.4 - F4.5
Angle of View	HFOV: 65.2° - 1.47° VFOV: 39.6° - 0.83°	HFOV: 65.2° - 1.10° VFOV: 39.6° - 0.62°	HFOV: 65.2° - 0.81° VFOV: 39.6° - 0.46°	HFOV: 65.0° - 1.49° VFOV: 40.3° - 0.84°	HFOV: 65.0° - 1.09° VFOV: 40.3° - 0.62°	HFOV: 60.9° - 1.3° VFOV: 47.6° - 1.0°
Min. Illumination	Color: 0.005Lux/F1.4	Color: 0.005Lux/F1.4	Color: 0.005Lux/F1.4	Color: 0.001Lux/F1.4	Color: 0.001Lux/F1.4	Color: 0.002Lux/F1.4
Max. Resolution / Frame Rate	Network: 3840x2160 (4K)@50/60fps MIPI: 3840x2160 (4K)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps	Network: 2048x1536 (3MP)@25/30fps LVDS: 1920x1080 (1080P)@25/30fps
Image Stabilization	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)	EIS(built-in gyro sensor)	EIS
Defog	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking
Video Output	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI	10/100M Ethernet, LVDS
Thermal Image Input	BT601/USB	BT601/USB	BT601/USB	BT601/USB	BT601/USB	USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 5.9W, Max 10W	9V - 12VDC: Typical 5.9W, Max 10W	9V - 12VDC: Typical 5.9W, Max 10W	9V - 12VDC: Typical 4.2W, Max 8.5W	9V - 12VDC: Typical 4.2W, Max 8.5W	9V - 12VDC: Typical 5W, Max 6W
Dimensions(LxWxH)	175.8 x 72.2 x 77.3mm	175.8 x 72.2 x 77.3mm	175.8 x 72.2 x 77.3mm	175.8 x 72.2 x 77.3mm	175.8 x 72.2 x 77.3mm	175.3 x 72.2 x 77.3mm
Weight	970g	970g	970g	970g	970g	900g
DORI Distance(M)	6000 / 2381 / 1200 / 600	6000 / 2381 / 1200 / 600	6000 / 2381 / 1200 / 600	4138 / 1642 / 828 / 414	4138 / 1642 / 828 / 414	3478 / 1380 / 696 / 348
Special Features	AI-ISP, ColorView, 3 Filters, High Precision Optical Axis	AI-ISP, ColorView, 3 Filters, High Precision Optical Axis	AI-ISP, ColorView, 3 Filters, High Precision Optical Axis	AI-ISP, ColorView, 3 Filters, High Precision Optical Axis	AI-ISP, ColorView, 3 Filters, High Precision Optical Axis	Global Shutter, High Precision Optical Axis

Visual reference: source page 12; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Zoom Camera Modules — SCZ-200 Series

Editable table transcription | Original source page 13

Parameter	VS-SCZ2058KIO-8	VS-SCZ8037KI-8	VS-SCZ4037YIB-8	VS-SCZ4037KI-8
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Focal Length	6.3 - 365mm, 58× Fusion Zoom	6.5 - 240mm, 37x Optical Zoom	6.5 - 240mm, 37x Optical Zoom	6.5 - 240mm, 37x Optical Zoom
Max. Aperture	F1.5 - F6.4	F1.5 - F4.8	F1.5 - F4.8	F1.5 - F4.8
Angle of View	HFoV: 63.4° - 1.2° VFoV: 38.3° - 0.6°	HFoV: 61.1° - 1.8° VFoV: 36.7° - 1.0°	HFoV: 61.9° - 1.9° VFoV: 37.4° - 1.0°	HFoV: 61.9° - 1.9° VFoV: 37.4° - 1.0°
Min. Illumination	Color: 0.005Lux/F1.5	Color: 0.01Lux/F1.5	Color: 0.001Lux/F1.5	Color: 0.005Lux/F1.5
Max. Resolution / Frame Rate	Network: 1920x1080 (1080P)@50/60fps LVDS: 1920x1080 (1080P)@50/60fps	Network: 3840x2160 (4K)@25/30fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 2688x1520 (4MP)@50/60fps
Image Stabilization	OIS + EIS	EIS	EIS(built-in gyro sensor)	EIS
Defog	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Video Output	10/100M Ethernet, LVDS	10/100M Ethernet	10/100M Ethernet, MIPI	10/100M Ethernet
Thermal Image Input	USB	BT601	BT601/USB	BT601/USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 3.5W, Max 7.1W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W
Dimensions(LxWxH)	145 x 82 x 96mm	138 x 66 x 76mm	138 x 66 x 76mm	138 x 66 x 76mm
Weight	930g	620g	620g	620g
DORI Distance(M)	3972 / 1577 / 794 / 397	4800 / 1905 / 960 / 480	3310 / 1314 / 662 / 331	3310 / 1314 / 662 / 331
Special Features	NDAA, Optical Image Stabilization	4K, NDAA	AI-ISP, ColorView	NDAA

[RED]The visual source lists 5 model labels while the editable table extraction returns 4 model columns; refer to original source page 13 for any omitted rightmost columns

SCZ-200 Series



VS-SCZ2058KIO-8



VS-SCZ8037KI-8



VS-SCZ4037YIB-8



VS-SCZ4037KI-8



VS-SCZ2044KI-8

Image Sensor	1/1.8" 4MP CMOS STARVIS	1/1.8" 8MP CMOS STARVIS 2	1/1.8" 4MP CMOS STARVIS	1/1.8" 4MP CMOS STARVIS	1/1.8" 4MP CMOS STARVIS
Focal Length	6.3 - 365mm, 58x Fusion Zoom	6.5 - 240mm, 37x Optical Zoom	6.5 - 240mm, 37x Optical Zoom	6.5 - 240mm, 37x Optical Zoom	6.9 - 303mm, 44x Fusion Zoom
Max. Aperture	F1.5 - F6.4	F1.5 - F4.8	F1.5 - F4.8	F1.5 - F4.8	F1.5 - F4.8
Angle of View	HFoV: 63.4° - 1.2° VFoV: 38.3° - 0.6°	HFoV: 61.1° - 1.8° VFoV: 36.7° - 1.0°	HFoV: 61.9° - 1.9° VFoV: 37.4° - 1.0°	HFoV: 61.9° - 1.9° VFoV: 37.4° - 1.0°	HFoV: 58.9° - 1.5° VFoV: 35.4° - 0.8°
Min. Illumination	Color: 0.005Lux/F1.5	Color: 0.01Lux/F1.5	Color: 0.001Lux/F1.5	Color: 0.005Lux/F1.5	Color: 0.005Lux/F1.5
Max. Resolution / Frame Rate	Network: 1920x1080 (1080P)@50/60fps LVDS: 1920x1080 (1080P)@50/60fps	Network: 3840x2160 (4K)@25/30fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps
Image Stabilization	OIS + EIS	EIS	EIS(built-in gyro sensor)	EIS	EIS
Defog	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital	Optical (NIR) + Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Video Output	10/100M Ethernet, LVDS	10/100M Ethernet	10/100M Ethernet, MIPI	10/100M Ethernet	10/100M Ethernet
Thermal Image Input	USB	BT601	BT601/USB	BT601/USB	BT601/USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 3.5W, Max 7.1W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W
Dimensions(LxWxH)	145 x 82 x 96mm	138 x 66 x 76mm	138 x 66 x 76mm	138 x 66 x 76mm	138 x 66 x 76mm
Weight	930g	620g	620g	620g	620g
DORI Distance(M)	3972 / 1577 / 794 / 397	4800 / 1905 / 960 / 480	3310 / 1314 / 662 / 331	3310 / 1314 / 662 / 331	3310 / 1314 / 662 / 331
Special Features	NDAA, Optical Image Stabilization	4K, NDAA	AI-ISP, ColorView	NDAA	NDAA

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories

Visual reference: source page 13; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Zoom Camera Modules — SCZ-100 Series (Group 1)

Editable table transcription | Original source page 14

Parameter	VS-SCZ8020KI	VS-SCZ4030YIE	VS-SCZ4020KI	VS-SCZ2020NJM-G	VS-SCZ5035YIE-8
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.7" 2.4MP Global Shutter CMOS	1/2.8" 5MP CMOS
Focal Length	6.5 - 130mm, 20x Optical Zoom	6.5 - 195mm, 30x Optical Zoom	6.5 - 130mm, 20x Optical Zoom	6.5 - 130mm, 20x Optical Zoom	4.8 - 168mm, 35x Optical Zoom
Max. Aperture	F1.5 - F4.0	F1.5 - F4.0	F1.5 - F4.0	F1.5 - F4.0	F1.6 - F4.4
Angle of View	HFoV: 61.1° - 3.4° VFoV: 36.7° - 1.9°	HFoV: 61.9° - 2.29° VFoV: 37.5° - 1.30°	HFoV: 61.8° - 3.4° VFoV: 37.4° - 1.9°	HFoV: 61.1° - 3.4° VFoV: 36.7° - 1.9°	HFoV: 56.1° - 1.75° VFoV: 43.6° - 1.31°
Min. Illumination	Color: 0.01Lux/F1.5	Color: 0.001Lux/F1.5	Color: 0.005Lux/F1.5	Color: 0.001Lux/F1.5	Color: 0.001Lux/F1.6
Max. Resolution / Frame Rate	Network: 3840x2160 (4K)@25/30fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps LVDS: 1920x1080 (1080P)@25/30fps	Network: 2560x1920 (5MP)@50fps, Network/MIPI: 2560x1440 (4MP)@50/60fps
Image Stabilization	EIS	EIS	EIS	EIS	EIS
Defog	Digital	Digital	Digital	Digital	Optical (NIR) + Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Video Output	10/100M Ethernet	10/100M Ethernet, MIPI	10/100M Ethernet	10/100M Ethernet, LVDS	10/100M Ethernet, MIPI
Thermal Image Input	BT601/USB	BT601/USB	BT601/USB	USB	BT601/USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Expanding Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 3.2W, Max 4.8W
Dimensions(LxWxH)	97.1 x 52.4 x 60.2mm	97.1 x 52.4 x 60.2mm	97.1 x 52.4 x 60.2mm	97.1 x 52.4 x 60.2mm	96.3 x 52 x 58.6mm
Weight	330g	330g	330g	325g	300g
DORI Distance(M)	2600 / 1032 / 520 / 260	2690 / 1067 / 538 / 269	1793 / 712 / 359 / 179	1300 / 516 / 260 / 130	3360 / 1333 / 672 / 336
Special Features	4K, NDAA	AI-ISP, ColorView	NDAA	Global Shutter	AI-ISP, ColorView

[RED]The visual source lists 6 model labels while the editable table extraction returns 5 model columns; refer to original source page 14 for any omitted rightmost columns

SCZ-100 Series



VS-SCZ8020KI



VS-SCZ4030YIE



VS-SCZ4020KI



VS-SCZ2020NJM-G



VS-SCZ5035YIE-8



VS-SCZ5032YIE

Image Sensor	1/1.8" 8MP CMOS STARVIS 2	1/1.8" 4MP CMOS STARVIS	1/1.8" 4MP CMOS STARVIS	1/1.7" 2.4MP Global Shutter CMOS	1/2.8" 5MP CMOS STARVIS 2	1/2.8" 5MP CMOS STARVIS 2
Focal Length	6.5 - 130mm, 20x Optical Zoom	6.5 - 195mm, 30x Optical Zoom	6.5 - 130mm, 20x Optical Zoom	6.5 - 130mm, 20x Optical Zoom	4.8 - 168mm, 35x Optical Zoom	4.7 - 150mm, 32x Optical Zoom
Max. Aperture	F1.5 - F4.0	F1.5 - F4.0	F1.5 - F4.0	F1.5 - F4.0	F1.6 - F4.4	F1.6 - F4.3
Angle of View	HFoV: 61.1° - 3.4° VFoV: 36.7° - 1.9°	HFoV: 61.9° - 2.29° VFoV: 37.5° - 1.30°	HFoV: 61.8° - 3.4° VFoV: 37.4° - 1.9°	HFoV: 61.1° - 3.4° VFoV: 36.7° - 1.9°	HFoV: 56.1° - 1.75° VFoV: 43.6° - 1.31°	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°
Min. Illumination	Color: 0.01Lux/F1.5	Color: 0.001Lux/F1.5	Color: 0.005Lux/F1.5	Color: 0.001Lux/F1.5	Color: 0.001Lux/F1.6	Color: 0.001Lux/F1.6
Max. Resolution / Frame Rate	Network: 3840x2160 (4K)@25/30fps	Network: 2688x1520 (4MP)@50/60fps MIPI: 2688x1520 (4MP)@50/60fps	Network: 2688x1520 (4MP)@50/60fps	Network: 1920x1080 (1080P)@50/60fps LVDS: 1920x1080 (1080P)@25/30fps	Network: 2560x1920 (5MP)@50fps, Network/MIPI: 2560x1440 (4MP)@50/60fps	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps
Image Stabilization	EIS	EIS	EIS	EIS	EIS	EIS
Defog	Digital	Digital	Digital	Digital	Optical (NIR) + Digital	Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Video Output	10/100M Ethernet	10/100M Ethernet, MIPI	10/100M Ethernet	10/100M Ethernet, LVDS	10/100M Ethernet, MIPI	10/100M Ethernet
Thermal Image Input	BT601/USB	BT601/USB	BT601/USB	USB	BT601/USB	BT601/USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Expanding Micro SD/SDHC/SDXC slot, up to 1TB	Expanding Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 3.2W, Max 4.8W	9V - 12VDC: Typical 3.2W, Max 4.8W
Dimensions(LxWxH)	97.1 x 52.4 x 60.2mm	97.1 x 52.4 x 60.2mm	97.1 x 52.4 x 60.2mm	97.1 x 52.4 x 60.2mm	96.3 x 52 x 58.6mm	96.3 x 52 x 58.6mm
Weight	330g	330g	330g	325g	300g	300g
DORI Distance(M)	2600 / 1032 / 520 / 260	2690 / 1067 / 538 / 269	1793 / 712 / 359 / 179	1300 / 516 / 260 / 130	3360 / 1333 / 672 / 336	3000 / 1190 / 600 / 300
Special Features	4K, NDAA	AI-ISP, ColorView	NDAA	Global Shutter	AI-ISP, ColorView	AI-ISP, ColorView

Visual reference: source page 14; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Zoom Camera Modules — SCZ-100 Series (Group 2)

Editable table transcription | Original source page 15

Parameter	VS-SCZ5032YIE-5004	VS-SCZ4025KM	VS-SCZ2032KI	VS-SCZ2030KM	VS-SCZ2020YIE
Image Sensor	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.9" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Focal Length	Zoom: 4.7 - 150mm, 32x Optical Zoom	Panoramic: 4mm	5 - 125mm, 25x Optical Zoom	4.7- 150mm, 32x Optical Zoom	4.7 - 141mm, 30x Optical Zoom
Max. Aperture	F1.6 - F4.3	F1.0	F1.5 - F3.8	F1.5 - F4.0	F1.5 - F4.0
Angle of View	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°	FoV: 78.8° x 55.8°	HFoV: 56.5° - 2.4° VFoV: 33.8° - 1.3°	HFoV: 61.3° - 2.25° VFoV: 36.9° - 1.27°	HFoV: 61.2° - 2.2° VFoV: 36.8° - 1.2°
Min. Illumination	Color: 0.001Lux/F1.6	Color: 0.0001Lux/F1.0	Color: 0.05Lux/F1.5	Color: 0.005Lux/F1.5	Color: 0.005Lux/F1.5
Max. Resolution / Frame Rate	Network: 2560*1920@25fps, 2560*1440@25/30fps	Network: 2560*1920@25fps, 2560*1440@25/30fps	Network: 2688x1520 (4MP)@25/30fps	Network: 1920x1080 (1080P)@50/60fps	Network: 1920x1080 (1080P)@25/30fps LVDS: 1920x1080 (1080P)@25/30fps
Image Stabilization	EIS		EIS	EIS	EIS
Defog	Digital		Digital	Digital	Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection		Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking
Video Output	10/100M Ethernet		10/100M Ethernet	10/100M Ethernet	10/100M Ethernet, LVDS
Thermal Image Input	/		-	USB	-
Audio	1 Line In / 1 Line Out		1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)		TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Expanding Micro SD/SDHC/SDXC slot, up to 1TB		Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4.2W, Max 5.8W		9V - 12VDC: Typical 2.6W, Max 4.3W	9V - 12VDC: Typical 2.5W, Max 4.5W	9V - 12VDC: Typical 2.5W, Max 4.5W
Dimensions(LxWxH)	96.3 x 52 x 58.6mm	27.9 x 34 x 34mm	96.3 x 52 x 58.6mm	96.3 x 52 x 58.6mm	96.3 x 52 x 58.6mm
Weight	300g	30g	266g	300g	300g
DORI Distance(M)	3000 / 1190 / 600 / 300		2566 / 1018 / 513 / 256	2069 / 821 / 414 / 207	1945 / 772 / 389 / 194
Special Features	AI-ISP, ColorView		NDAA	NDAA	NDAA

SCZ-100 Series



VS-SCZ5032YIE-5004



VS-SCZ4025KM



VS-SCZ2032KI



VS-SCZ2030KM



VS-SCZ2020YIE

Image Sensor	1/2.8" 5MP CMOS STARVIS 2	1/2.8" 5MP CMOS STARVIS 2	1/2.9" 4MP CMOS	1/2.8" 2MP CMOS STARVIS	1/2.8" 2MP CMOS STARVIS	1/2.8" 2MP CMOS STARVIS 2
Focal Length	Zoom: 4.7 - 150mm, 32x Optical Zoom	Panoramic: 4mm	5 - 125mm, 25x Optical Zoom	4.7 - 150mm, 32x Optical Zoom	4.7 - 141mm, 30x Optical Zoom	5.4 - 108mm, 20x Optical Zoom
Max. Aperture	F1.6 - F4.3	F1.0	F1.5 - F3.8	F1.5 - F4.0	F1.5 - F4.0	F1.7 - F2.8
Angle of View	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°	FoV: 78.8° x 55.8°	HFoV: 56.5° - 2.4° VFoV: 33.8° - 1.3°	HFoV: 61.3° - 2.25° VFoV: 36.9° - 1.27°	HFoV: 61.2° - 2.2° VFoV: 36.8° - 1.2°	HFoV: 54.5° - 2.95° VFoV: 32.3° - 1.66°
Min. Illumination	Color: 0.001Lux/F1.6	Color: 0.0001Lux/F1.0	Color: 0.05Lux/F1.5	Color: 0.005Lux/F1.5	Color: 0.005Lux/F1.5	Color: 0.0005Lux/F1.7
Max. Resolution / Frame Rate	Network: 2560*1920@25fps, 2560*1440@25/30fps	Network: 2560*1920@25fps, 2560*1440@25/30fps	Network: 2688x1520 (4MP)@25/30fps	Network: 1920x1080 (1080P)@50/60fps	Network: 1920x1080 (1080P)@25/30fps LVDS: 1920x1080 (1080P)@25/30fps	Network: 1920x1080 (1080P)@50/60fps, 1920x1080 (1080P)@50/60fps
Image Stabilization	EIS		EIS	EIS	EIS	EIS
Defog	Digital		Digital	Digital	Digital	Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection		Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Video Output	10/100M Ethernet		10/100M Ethernet	10/100M Ethernet	10/100M Ethernet, LVDS	10/100M Ethernet
Thermal Image Input	-		-	USB	-	USB
Audio	1 Line In / 1 Line Out		1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)		TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Expanding Micro SD/SDHC/SDXC slot, up to 1TB		Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4.2W, Max 5.8W		9V - 12VDC: Typical 2.6W, Max 4.3W	9V - 12VDC: Typical 2.5W, Max 4.5W	9V - 12VDC: Typical 2.5W, Max 4.5W	9V - 12VDC: Typical 2.5W, Max 3.6W
Dimensions(LxWxH)	96.3 x 52 x 58.6mm	27.9 x 34 x 34mm	96.3 x 52 x 58.6mm	96.3 x 52 x 58.6mm	96.3 x 52 x 58.6mm	87.1 x 44 x 59.5mm
Weight	300g	30g	266g	300g	300g	230g
DORI Distance(M)	3000 / 1190 / 600 / 300		2566 / 1018 / 513 / 256	2069 / 821 / 414 / 207	1945 / 772 / 389 / 194	1490 / 591 / 298 / 149
Special Features	AI-ISP, ColorView		NDAA	NDAA	NDAA	AI-ISP, ColorView

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories

Visual reference: source page 15; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Zoom Camera Modules — SCZ-C Series

Editable table transcription | Original source page 16

Parameter	VS-SCZ8010KI	VS-SCZ2210YIE	VS-SCZ8005YIB
Image Sensor	1/2.8" 8MP CMOS	1/2.6" 2.3MP Global Shutter CMOS	1/2.8" 8MP CMOS
Focal Length	4.8 - 48mm, 10x Optical Zoom	4.8 - 48mm, 10x Optical Zoom	3.3 - 17mm, 5x Optical Zoom
Max. Aperture	F1.7 - F3.2	F1.7 - F3.2	F1.6- F3.1
Angle of View	HFoV: 60.2° - 6.6° VFoV: 36.1° - 3.7°	HFoV: 61.9° - 6.87° VFoV: 37.3° - 3.87°	HFoV: 103° - 18.6° VFoV: 54.5° - 10.5°
Min. Illumination	Color: 0.01Lux/F1.7	Color: 0.01Lux/F1.7	Color: 0.05Lux/F1.6
Max. Resolution / Frame Rate	Network: 3840x2160 (4K)@25/30fps	Network: 1920x1080 (1080P)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps	Network: 3840x2160 (4K)@25/30fps MIPI: 2688x1520 (4MP)@25/30fps
Image Stabilization	EIS	EIS	EIS
Defog	Digital	Digital	Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Video Output	10/100M Ethernet	10/100M Ethernet/MIPI	10/100M Ethernet/MIPI
Thermal Image Input	Expanding BT601/USB	Expanding BT601/USB	USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Expanding Micro SD/SDHC/SDXC slot, up to 1TB	Expanding Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 256G
Power	9V - 12VDC: Typical 3.7W, Max 5.6W	9V - 12VDC: Typical 4.0W, Max 5.5W	9V - 12VDC: Typical 4.0W, Max 5.0W
Dimensions(LxWxH)	65 x 45 x 52mm	65 x 45 x 52mm	74.1 x 40 x 47mm
Weight	152g	152g	78g
DORI Distance(M)	1324 / 525 / 265 / 132	640 / 254 / 128 / 64	468 / 186 / 94 / 47
Special Features	4K, NDAA	AI-ISP, 120fps Customizable	4K, AI-ISP, Ultra wide angle

[RED]The visual source lists 4 model labels while the editable table extraction returns 3 model columns, refer to original source page 16 for any omitted rightmost columns

SCZ-C Series

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories



VS-SCZ8010KI



VS-SCZ2210YIE



VS-SCZ8005YIB



VS-SCZ8003K

Image Sensor	1/2.8" 8MP CMOS STARVIS	1/2.6" 2.3MP Global Shutter CMOS	1/2.8" 8MP CMOS STARVIS	1/2.3" 12MP CMOS
Focal Length	4.8 - 48mm, 10x Optical Zoom	4.8 - 48mm, 10x Optical Zoom	3.3 - 17mm, 5x Optical Zoom	3.85 - 13.4mm, 3.5x Optical Zoom
Max. Aperture	F1.7 - F3.2	F1.7 - F3.2	F1.6 - F3.1	F2.4 - F5.0
Angle of View	HFoV: 60.2° - 6.6° VFoV: 36.1° - 3.7°	HFoV: 61.9° - 6.87° VFoV: 37.3° - 3.87°	HFoV: 103° - 18.6° VFoV: 54.5° - 10.5°	HFoV: 77.6° - 25.9° (12MP) HFoV: 75.4° - 24.9° (4K)
Min. Illumination	Color: 0.01Lux/F1.7	Color: 0.01Lux/F1.7	Color: 0.05Lux/F1.6	Color: 0.5Lux/F2.4
Max. Resolution / Frame Rate	Network: 3840x2160 (4K)@25/30fps	Network: 1920x1080 (1080P)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps	Network: 3840x2160 (4K)@25/30fps MIPI: 2688x1520 (4MP)@25/30fps	Network: 3840x2160 (4K)@25/30fps 4000x3000 (12MP) / 10fps
Image Stabilization	EIS	EIS	EIS	EIS
Defog	Digital	Digital	Digital	Digital
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking
Video Output	10/100M Ethernet	10/100M Ethernet/MIPI	10/100M Ethernet/MIPI	10/100M Ethernet
Thermal Image Input	Expanding BT601/USB	Expanding BT601/USB	USB	BT601/USB
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Expanding Micro SD/SDHC/SDXC slot, up to 1TB	Expanding Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 256G	Micro SD/SDHC/SDXC slot, up to 256G
Power	9V - 12VDC: Typical 3.7W, Max 5.6W	9V - 12VDC: Typical 4.0W, Max 5.5W	9V - 12VDC: Typical 4.0W, Max 5.0W	9V - 12VDC: Typical 3.5W, Max 4.5W
Dimensions(LxWxH)	65 x 45 x 52mm	65 x 45 x 52mm	74.1 x 40 x 47mm	55 x 30 x 40mm
Weight	152g	152g	78g	55g
DORI Distance(M)	1324 / 525 / 265 / 132	640 / 254 / 128 / 64	468 / 186 / 94 / 47	346 / 137 / 69 / 35
Special Features	4K, NDAA	AI-ISP, 120fps Customizable	4K, AI-ISP, Ultra wide angle	4K, NDAA, Zero Distortion(<0.9%)

* The DORI standard (based on the IEC EN62676-4:2015 international standard) defines different levels of detail for detection (25PPM), observation (62PPM), recognition (125PPM), and identification (250PPM). This table is for reference only and performance may vary depending on the environment.

Visual reference: source page 16; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Thermal Imaging — LWIR HD Zoom Series

Editable table transcription | Original source page 18

Parameter	VS-LWZA3507NR	VS-SCMA2259NR	VS-LWZA1806NR	VS-SCMA1505NR
Image Sensor	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024
Pixel Pitch	12µm	12µm	12µm	12µm
Spectral Band	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm
Frame Rate	50Hz	50Hz	50Hz	50Hz
Sensitivity	NETD≤35mK	NETD≤35mK	NETD≤35mK	NETD≤35mK
Lens	50 - 350mm, 7x Continuous zoom, F1.0-F1.4	25 - 225mm, 9x Continuous zoom, F1.0-F1.5	30 - 180mm, 6x Continuous zoom, F1.0-F1.4	30 - 150mm, 5x Continuous zoom, F1.0-F1.2
Angle of View	HFoV: 17.5° - 2.51° VFoV: 14.0° - 2.01°	HFoV: 34.2° - 3.91° VFoV: 27.6° - 3.13°	HFoV: 28.7° - 4.89° VFoV: 23.2° - 3.91°	HFoV: 28.7° - 5.86° VFoV: 23.2° - 4.69°
Video Output	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps
Digital Zoom	8x	8x	8x	8x
Image Stabilization	EIS	EIS	EIS	EIS
Analytics	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Alarm	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out
Communication	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4W, Max 8.4W	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W
Dimensions(LxWxH)	Ø300mm×430mm	Ø190mm×320mm	Ø155mm×295mm	Ø187mm×282mm
Weight	13.6kg	4.7kg	3.5kg	3.4kg
DRI Distance(M)	Human: 14583 / 3646 / 1823 Vehicle: 44722 / 11181 / 5590	Human: 9375 / 2344 / 1172 Vehicle: 28750 / 7188 / 3954	Human: 7500 / 1875 / 938 Vehicle: 23000 / 5750 / 2875	Human: 6250 / 1563 / 781 Vehicle: 19167 / 4792 / 2396
Special Features	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)

[RED]The visual source lists 5 model labels while the editable table extraction returns 4 model columns; refer to original source page 18 for any omitted rightmost columns

LWIR HD Zoom Series

Zoom Camera Modules
Thermal Imaging Modules
SWIR Camera Modules
Accessories



VS-LWZA3507NR



VS-SCMA2259NR



VS-LWZA1806NR



VS-SCMA1505NR



VS-LWZA1204NR

Image Sensor	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024
Pixel Pitch	12µm	12µm	12µm	12µm	12µm
Spectral Band	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm
Frame Rate	50Hz	50Hz	50Hz	50Hz	50Hz
Sensitivity	NETD ≤ 35mK	NETD ≤ 35mK	NETD ≤ 35mK	NETD ≤ 35mK	NETD ≤ 35mK
Lens	50 - 350mm, 7x Continuous zoom, F1.0-F1.4	25 - 225mm, 9x Continuous zoom, F1.0-F1.5	30 - 180mm, 6x Continuous zoom, F1.0-F1.4	30 - 150mm, 5x Continuous zoom, F1.0-F1.2	30 - 120mm, 4x Continuous zoom, F1.0-F1.4
Angle of View	HFoV: 17.5° - 2.51° VFoV: 14.0° - 2.01°	HFoV: 34.2° - 3.91° VFoV: 27.6° - 3.13°	HFoV: 28.7° - 4.89° VFoV: 23.2° - 3.91°	HFoV: 28.7° - 5.86° VFoV: 23.2° - 4.69°	HFoV: 28.7° - 7.32° VFoV: 23.2° - 5.86°
Video Output	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps
Digital Zoom	8x	8x	8x	8x	8x
Image Stabilization	EIS	EIS	EIS	EIS	EIS
Analytics	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Alarm	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out
Communication	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4W, Max 8.4W	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W
Dimensions(LxWxH)	Ø300mm×430mm	Ø190mm×320mm	Ø155mm×295mm	Ø187mm×282mm	Ø120mm×220mm
Weight	13.6kg	4.7kg	3.5kg	3.4kg	1.5kg
DRI Distance(M)	Human: 14583 / 3646 / 1823 Vehicle: 44722 / 11181 / 5590	Human: 9375 / 2344 / 1172 Vehicle: 28750 / 7188 / 3954	Human: 7500 / 1875 / 938 Vehicle: 23000 / 5750 / 2875	Human: 6250 / 1563 / 781 Vehicle: 19167 / 4792 / 2396	Human: 5000 / 1250 / 625 Vehicle: 15333 / 3833 / 1917
Special Features	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)

Visual reference: source page 18; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Thermal Imaging — LWIR VGA Zoom Series

Editable table transcription | Original source page 19

Parameter	VS-SCM62259NR	VS-LWZ61806NR	VS-SCM61505NR	VS-LWZ61204NR
Image Sensor	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512
Pixel Pitch	12µm	12µm	12µm	12µm
Spectral Band	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm
Frame Rate	50Hz	50Hz	50Hz	50Hz
Sensitivity	NETD≤40mK	NETD≤40mK	NETD≤40mK	NETD≤40mK
Lens	25 - 225mm, 9x Continuous zoom, F1.0-F1.5	30 - 180mm, 6x Continuous zoom, F1.0-F1.4	30 - 150mm, 5x Continuous zoom, F0.9-F1.2	30 - 120mm, 4x Continuous zoom, F1.0-F1.4
Angle of View	HFoV: 17.5° - 1.96° VFoV: 14.0° - 1.56°	HFoV: 14.6° - 2.44° VFoV: 11.7° - 1.96°	HFoV: 14.6° - 2.51° VFoV: 11.7° - 2.01°	HFoV: 14.6° - 3.67° VFoV: 11.7° - 2.93°
Video Output	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps
Digital Zoom	8x	8x	8x	8x
Image Stabilization	-	-	-	-
Analytics	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Alarm	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out
Communication	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W
Dimensions(LxWxH)	Ø190mm×325mm	Ø155mm×295mm	Ø190mm×265mm	Ø120mm×220mm
Weight	3.7Kg	3.5kg	3.4Kg	1.5kg
DRI Distance(M)	Human: 9375 / 2344 / 1172 Vehicle: 28750 / 7188 / 3954	Human: 7500 / 1875 / 938 Vehicle: 23000 / 5750 / 2875	Human: 6250 / 1563 / 781 Vehicle: 19167 / 4792 / 2396	Human: 5000/ 1250 / 625 Vehicle: 15333 / 3833 / 1917
Special Features	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)

[RED]The visual source lists 5 model labels while the editable table extraction returns 4 model columns; refer to original source page 19 for any omitted rightmost columns

LWIR VGA Zoom Series



VS-SCM62259NR



VS-LWZ61806NR



VS-SCM61505NR



VS-LWZ61204NR



VS-SCM60753NR

Image Sensor	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512
Pixel Pitch	12µm	12µm	12µm	12µm	12µm
Spectral Band	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm
Frame Rate	50Hz	50Hz	50Hz	50Hz	50Hz
Sensitivity	NETD ≤ 40mK	NETD ≤ 40mK	NETD ≤ 40mK	NETD ≤ 40mK	NETD ≤ 40mK
Lens	25 - 225mm, 9x Continuous zoom, F1.0-F1.5	30 - 180mm, 6x Continuous zoom, F1.0-F1.4	30 - 150mm, 5x Continuous zoom, F0.9-F1.2	30 - 120mm, 4x Continuous zoom, F1.0-F1.4	25 - 75mm, 3x Continuous zoom, F1.0-F1.2
Angle of View	HFoV: 17.5° - 1.96° VFoV: 14.0° - 1.56°	HFoV: 14.6° - 2.44° VFoV: 11.7° - 1.96°	HFoV: 14.6° - 2.51° VFoV: 11.7° - 2.01°	HFoV: 14.6° - 3.67° VFoV: 11.7° - 2.93°	HFoV: 17.5° - 5.86° VFoV: 14.1° - 4.69°
Video Output	Network/USB: 1280x1024 (5XGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (5XGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (5XGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (5XGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (5XGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps
Digital Zoom	8x	8x	8x	8x	8x
Image Stabilization	-	-	-	-	-
Analytics	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Alarm	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out
Communication	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W	9V - 12VDC: Typical 4W, Max 8W
Dimensions(LxWxH)	Ø190mm×325mm	Ø155mm×295mm	Ø190mm×265mm	Ø120mm×220mm	Ø88mm×175mm
Weight	3.7Kg	3.5kg	3.4Kg	1.5kg	1.2Kg
DRI Distance(M)	Human: 9375 / 2344 / 1172 Vehicle: 28750 / 7188 / 3954	Human: 7500 / 1875 / 938 Vehicle: 23000 / 5750 / 2875	Human: 6250 / 1563 / 781 Vehicle: 19167 / 4792 / 2396	Human: 5000 / 1250 / 625 Vehicle: 15333 / 3833 / 1917	Human: 3125 / 781 / 391 Vehicle: 9583 / 2396 / 1198
Special Features	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories

Visual reference: source page 19; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Thermal Imaging — LWIR HD Fixed Lens Series

Editable table transcription | Original source page 20

Parameter	VS-SCMA1000NR	VS-SCMA0750NR	VS-SCMA055NR	VS-SCMA035NR	VS-SCMA025NR
Image Sensor	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024
Pixel Pitch	12µm	12µm	12µm	12µm	12µm
Spectral Band	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm
Frame Rate	50Hz	50Hz	50Hz	50Hz	50Hz
Sensitivity	NETD≤35mK	NETD≤35mK	NETD≤35mK	NETD≤35mK	NETD≤35mK
Lens	100mm, Motorized Focus, F1.2	75mm, Motorized Focus, F1.0	55mm, Athermalized, F1.0	35mm, Athermalized, F1.0	25mm, Athermalized, F1.0
Angle of View	8.8°×7.0°	11.0°×9.37°	16.0°×12.8°	25.1°×20.1°	34.1°×27.6°
Video Output	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (SXGA)@50ps BT1120: 1920x1080 (1080P)@50fps
Digital Zoom	8x	8x	8x	8x	8x
Image Stabilization	EIS	EIS	EIS	EIS	EIS
Analytics	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Alarm	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out
Communication	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4W, Max 5.5W	9V - 12VDC: Typical 4W, Max 5.5W	9V - 12VDC: 4W	9V - 12VDC: 4W	9V - 12VDC: 4W
Dimensions(LxWxH)	Ø103×161mm	Ø99×159.5mm	Ø68×111mm	Ø46×87mm	45×45×80mm
Weight	810g	800g	430g	224g	208g
DRI Distance(M)	Human: 4167 / 1042 / 521 Vehicle: 12778 / 3194 / 1597	Human: 3125 / 781 / 391 Vehicle: 9583 / 2396 / 1198	Human: 2292 / 573 / 286 Vehicle: 7028 / 1757 / 878	Human: 1458 / 365 / 182 Vehicle: 4472 / 1118 / 559	Human: 1042 / 260 / 130 Vehicle: 3194 / 799 / 399
Special Features	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)

[RED]The visual source lists 6 model labels while the editable table extraction returns 5 model columns; refer to original source page 20 for any omitted rightmost columns.

LWIR HD Fixed Lens Series

Zoom Camera Modules	     					
	VS-SCMA1000NR	VS-SCMA0750NR	VS-SCMA055NR	VS-SCMA035NR	VS-SCMA025NR	VS-SCMA019NR
Thermal Imaging Modules	Image Sensor	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024	Uncooled VOx Microbolometer, 1280x1024
	Pixel Pitch	12µm	12µm	12µm	12µm	12µm
	Spectral Band	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm
	Frame Rate	50Hz	50Hz	50Hz	50Hz	50Hz
	Sensitivity	NETD ≤ 35mK	NETD ≤ 35mK	NETD ≤ 35mK	NETD ≤ 35mK	NETD ≤ 35mK
	Lens	100mm, Motorized Focus, F1.2	75mm, Motorized Focus, F1.0	55mm, Athermalized, F1.0	35mm, Athermalized, F1.0	25mm, Athermalized, F1.0
	Angle of View	8.8° x7.0°	11.0° x9.37°	16.0° x12.8°	25.1° x20.1°	34.1° x27.6°
	Video Output	Network/USB: 1280x1024 (5XGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (5XGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (5XGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (5XGA)@50ps BT1120: 1920x1080 (1080P)@50fps	Network/USB: 1280x1024 (5XGA)@50ps BT1120: 1920x1080 (1080P)@50fps
	Digital Zoom	8x	8x	8x	8x	8x
	Image Stabilization	EIS	EIS	EIS	EIS	EIS
SWIR Camera Modules	Analytics	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection
	Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
	Alarm	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out
Accessories	Communication	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)
	Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
	Power	9V - 12VDC: Typical 4W, Max 5.5W	9V - 12VDC: Typical 4W, Max 5.5W	9V - 12VDC: 4W	9V - 12VDC: 4W	9V - 12VDC: 4W
	Dimensions(LxWxH)	Ø103x161mm	Ø99x159.5mm	Ø68x111mm	Ø46x87mm	45x45x92.5mm
	Weight	810g	800g	430g	224g	208g
	DRI Distance(M)	Human: 4167 / 1042 / 521 Vehicle: 12778 / 3194 / 1597	Human: 3125 / 781 / 391 Vehicle: 9583 / 2396 / 1198	Human: 2292 / 573 / 286 Vehicle: 7028 / 1757 / 878	Human: 1458 / 365 / 182 Vehicle: 4472 / 1118 / 559	Human: 1042 / 260 / 130 Vehicle: 3194 / 799 / 399
	Special Features	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)

Visual reference: source page 20; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Thermal Imaging — LWIR VGA Fixed Lens Series

Editable table transcription | Original source page 21

Parameter	VS-SCM6055NR	VS-SCM6035NR	VS-SCM6025NR	VS-SCM6013NR	VS-SCM6009NR
Image Sensor	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512
Pixel Pitch	12µm	12µm	12µm	12µm	12µm
Spectral Band	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm
Frame Rate	50Hz	50Hz	50Hz	50Hz	50Hz
Sensitivity	NETD≤40mK	NETD≤40mK	NETD≤40mK	NETD≤40mK	NETD≤40mK
Lens	Athermalized 55mm, F1.0	Athermalized 35mm, F1.0	Athermalized 25mm, F1.0	Athermalized 13mm, F1.0	Athermalized 9.1mm, F1.0
Angle of View	8.0° x 6.4°	12.5° x 10°	17.4° x 14°	32.9° x 26.6°	48.6° x 38.6°
Video Output	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps
Digital Zoom	8x	8x	8x	8x	8x
Image Stabilization	-	-	-	-	-
Analytics	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Alarm	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out
Communication	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: 4W	9V - 12VDC: 4W	9V - 12VDC: 4W	9V - 12VDC: 4W	9V - 12VDC: 4W
Dimensions(LxWxH)	Ø65mm×107mm	48×47×90mm	48×47×75mm	48×47×69mm	48×47×64mm
Weight	345g	245g	203g	156g	165g
DRI Distance(M)	Human: 2292 / 573 / 286 Vehicle: 7028 / 1757 / 878	Human: 1458 / 365 / 182 Vehicle: 4472 / 1118 / 559	Human: 1042 / 260 / 130 Vehicle: 3194 / 799 / 399	Human: 542 / 135 / 68 Vehicle: 1661 / 415 / 208	Human: 379 / 95 / 47 Vehicle: 1163 / 291 / 145
Special Features	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)

[RED]The visual source lists 6 model labels while the editable table extraction returns 5 model columns; refer to original source page 21 for any omitted rightmost columns.

LWIR VGA Fixed Lens Series



VS-SCM6055NR



VS-SCM6035NR



VS-SCM6025NR



VS-SCM6013NR



VS-SCM6009NR



VS-SCM6004NR

Image Sensor	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512	Uncooled VOx Microbolometer, 640x512
Pixel Pitch	12µm	12µm	12µm	12µm	12µm	12µm
Spectral Band	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm	8 - 14µm
Frame Rate	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Sensitivity	NETD ≤ 40mK	NETD ≤ 40mK	NETD ≤ 40mK	NETD ≤ 40mK	NETD ≤ 40mK	NETD ≤ 40mK
Lens	Athermalized 55mm, F1.0	Athermalized 35mm, F1.0	Athermalized 25mm, F1.0	Athermalized 13mm, F1.0	Athermalized 9.1mm, F1.0	Athermalized 4.1mm, F1.2
Angle of View	8.0° x 6.4°	12.5° x 10°	17.4° x 14°	32.9° x 26.6°	48.6° x 38.6°	100° x 82°
Video Output	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps	Network/USB: 1280x1024 (SXGA)@50fps BT1120: 1920x1080 (1080P)@50fps CVBS: 720x576/720x480 (D1)@25/30fps
Digital Zoom	8x	8x	8x	8x	8x	8x
Image Stabilization	-	-	-	-	-	-
Analytics	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Fire Detection
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Alarm	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out	1 In / 1 Out
Communication	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)	TTL (VISCA) & RS485 (Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: 4W	9V - 12VDC: 4W	9V - 12VDC: 4W	9V - 12VDC: 4W	9V - 12VDC: 4W	9V - 12VDC: 4W
Dimensions(LxWxH)	Ø65mmx107mm	48x47x90mm	48x47x75mm	48x47x69mm	48x47x64mm	48x47x72mm
Weight	345g	245g	203g	156g	165g	168g
DRI Distance(M)	Human: 2292 / 573 / 286 Vehicle: 7028 / 1757 / 878	Human: 1458 / 365 / 182 Vehicle: 4472 / 1118 / 559	Human: 1042 / 260 / 130 Vehicle: 3194 / 799 / 399	Human: 542 / 135 / 68 Vehicle: 1661 / 415 / 208	Human: 379 / 95 / 47 Vehicle: 1163 / 291 / 145	Human: 1677/42/21 Vehicle: 511/128/64
Special Features	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)	Strong Light Protection (SLP)

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories

Visual reference: source page 21; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Thermal Imaging — Compact EO/IR Series (Group 1)

Editable table transcription | Original source page 22

Parameter	VS-SCZ5032YIE-MV6055	VS-SCZ5032YIE-MV/MT6035	VS-SCZ5032YIE-MV/MT6025	VS-SCZ8020KI	VS-SCZ8010KI
Image Sensor	1/2.8" 5MP CMOS	Uncooled VOx Microbolometer 640x512, Pixel Pitch: 12µm 8 - 14µm, 50Hz, 40mK	1/2.8" 5MP CMOS	Uncooled VOx Microbolometer 640x512, Pixel Pitch: 12µm 8 - 14µm, 50Hz, 40mK	1/2.8" 5MP CMOS
Lens	4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3	55mm, Athermalized, F1.0 4x Digital Zoom	4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3	35mm, Athermalized, F1.0 4x Digital Zoom	4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3
Angle of View	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°	8°x6.4°	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°	12.5°x10°	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°
Video Output	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps	Network: 1280x1024 (SXGA)@25fps Connect EO Camera (BT601)	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps	Network: 1280x1024 (SXGA)@25fps Connect EO Camera (BT601)	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps
Image Stabilization	EIS	/	EIS	/	EIS
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Audio	1 Line In / 1 Line Out		1 Line In / 1 Line Out		
Serial Communication	TTL x 2 (VISCA & Pelco)		TTL x 2 (VISCA & Pelco)		
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB		Micro SD/SDHC/SDXC slot, up to 1TB		
Power	9V - 12VDC: Typical 3.9W, Max 5.5W		9V - 12VDC: Typical 3.9W, Max 5.5W		
Dimensions(LxWxH)	96.3 x 52 x 58.6mm	Ø65 x 78.5mm	96.3 x 52 x 58.6mm	Ø47.3 x 61.2mm	96.3 x 52 x 58.6mm
Weight	300g	210g	300g	127g	300g
DORI/DRI Distance(M)	3000 / 1190 / 600 / 300	Human: 2292 / 573 / 286 Vehicle: 7028 / 1757 / 878	3000 / 1190 / 600 / 300	Human: 1458 / 365 / 182 Vehicle: 4472 / 1118 / 559	3000 / 1190 / 600 / 300
Special Features	Recommended EO cameras: VS-SCZ8020KI/VS-SCZ8010KI/ VS-SCZ8003K & other BT601- compatible models	/	Recommended EO cameras: VS-SCZ8020KI/VS-SCZ8010KI/ VS-SCZ8003K & other BT601- compatible models	MT supports Temperature measurement Accuracy: ±3°C, ±3% Range: -20°C to +150°C, +100°C to +550°C	Recommended EO cameras: VS-SCZ8020KI/VS-SCZ8010KI/ VS-SCZ8003K & other BT601- compatible models

[RED]The visual source lists 6 model labels while the editable table extraction returns 5 model columns; refer to original source page 22 for any omitted rightmost columns

Compact EO/IR Series



VS-SCZ5032YIE-MV6055



VS-SCZ5032YIE-MV/MT6035



VS-SCZ5032YIE-MV/MT6025

	Visible	Thermal	Visible	Thermal	Visible	Thermal
Image Sensor	1/2.8" 5MP CMOS STARVIS 2	Uncooled VOx Microbolometer 640x512, Pixel Pitch: 12µm 8 - 14µm, 50Hz, 40mK	1/2.8" 5MP CMOS STARVIS 2	Uncooled VOx Microbolometer 640x512, Pixel Pitch: 12µm 8 - 14µm, 50Hz, 40mK	1/2.8" 5MP CMOS STARVIS 2	Uncooled VOx Microbolometer 640x512, Pixel Pitch: 12µm 8 - 14µm, 50Hz, 40mK
Lens	4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3	55mm, Athermalized, F1.0 4x Digital Zoom	4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3	35mm, Athermalized, F1.0 4x Digital Zoom	4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3	25mm Athermalized, F1.0 4x Digital Zoom
Angle of View	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°	8° x 6.4°	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°	12.5° x 10°	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°	17° x 14°
Video Output	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps	Network: 1280x1024 (5XGA)@25fps Connect EO Camera (BT601)	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps	Network: 1280x1024 (5XGA)@25fps Connect EO Camera (BT601)	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps	Network: 1280x1024 (5XGA)@25fps Connect EO Camera (BT601)
Image Stabilization	EIS	/	EIS	/	EIS	/
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Fire Detection
Audio	1 Line In / 1 Line Out		1 Line In / 1 Line Out		1 Line In / 1 Line Out	
Serial Communication	TTL x 2 (VISCA & Pelco)		TTL x 2 (VISCA & Pelco)		TTL x 2 (VISCA & Pelco)	
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB		Micro SD/SDHC/SDXC slot, up to 1TB		Micro SD/SDHC/SDXC slot, up to 1TB	
Power	9V - 12VDC: Typical 3.9W, Max 5.5W		9V - 12VDC: Typical 3.9W, Max 5.5W		9V - 12VDC: Typical 3.9W, Max 5.5W	
Dimensions(LxWxH)	96.3 x 52 x 58.6mm	Ø65 x 78.5mm	96.3 x 52 x 58.6mm	Ø47.3 x 61.2mm	96.3 x 52 x 58.6mm	Ø37.1 x 47mm
Weight	300g	210g	300g	127g	300g	64g
DORI/DRI Distance(M)	3000 / 1190 / 600 / 300	Human: 2292 / 573 / 286 Vehicle: 7028 / 1757 / 878	3000 / 1190 / 600 / 300	Human: 1458 / 365 / 182 Vehicle: 4472 / 1118 / 559	3000 / 1190 / 600 / 300	Human: 1042 / 260 / 130 Vehicle: 3194 / 799 / 399
Special Features	Recommended EO cameras: VS-SCZ8020KI/VS-SCZ8010KI/ VS-SCZ8003K & other BT601- compatible models	/	Recommended EO cameras: VS-SCZ8020KI/VS-SCZ8010KI/ VS-SCZ8003K & other BT601- compatible models	MT supports Temperature measurement Accuracy: ±3°C, ±3% Range: -20°C to +150°C, +100°C to +550°C	Recommended EO cameras: VS-SCZ8020KI/VS-SCZ8010KI/ VS-SCZ8003K & other BT601- compatible models	MT supports Temperature measurement Accuracy: ±3°C, ±3% Range: -20°C to +150°C, +100°C to +550°C

Visual reference: source page 22; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Thermal Imaging — Compact EO/IR Series (Group 2)

Editable table transcription | Original source page 23

Parameter	VS-SCZ5032YIE-MV/MT6019	VS-SCZ5032YIE-MV/MT6013	VS-SCZ5032YIE-LWY6009	VS-SCZ8020KI	VS-SCZ8010KI
Image Sensor	1/2.8" 5MP CMOS	Uncooled VOx Microbolometer 640x512, Pixel Pitch: 12µm 8 - 14µm, 50Hz, 40mK	1/2.8" 5MP CMOS	Uncooled VOx Microbolometer 640x512, Pixel Pitch: 12µm 8 - 14µm, 50Hz, 40mK	1/2.8" 5MP CMOS
Lens	4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3	19mm, Athermalized, F1.0 4x Digital Zoom	4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3	13mm, Athermalized, F1.2 4x Digital Zoom	4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3
Angle of View	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°	22°x18°	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°	33°x26°	HFoV: 57.1° - 1.96° VFoV: 44.4° - 1.47°
Video Output	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps	Network: 1280x1024 (SXGA)@25fps Connect EO Camera (BT601)	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps	Network: 1280x1024 (SXGA)@25fps Connect EO Camera (BT601)	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps
Image Stabilization	EIS	/	EIS	/	EIS
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection	Perimeter Intrusion Detection Fire Detection	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection
Audio	1 Line In / 1 Line Out		1 Line In / 1 Line Out		
Serial Communication	TTL x 2 (VISCA & Pelco)		TTL x 2 (VISCA & Pelco)		
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB		Micro SD/SDHC/SDXC slot, up to 1TB		
Power	9V - 12VDC: Typical 3.9W, Max 5.5W		9V - 12VDC: Typical 3.9W, Max 5.5W		
Dimensions(LxWxH)	96.3 x 52 x 58.6mm	Ø30.1 x 40.5mm	96.3 x 52 x 58.6mm	26 x 26 x 33.7mm	96.3 x 52 x 58.6mm
Weight	300g	50g	300g	33g	300g
DORI/DRI Distance(M)	3000 / 1190 / 600 / 300	Human: 792 / 198 / 99 Vehicle: 2438 / 607 / 303	3000 / 1190 / 600 / 300	Human: 542 / 135 / 68 Vehicle: 1661 / 415 / 208	3000 / 1190 / 600 / 300
Special Features	Recommended EO cameras: VS-SCZ8020KI/VS-SCZ8010KI/ VS-SCZ8003K & other BT601- compatible models	MT supports Temperature measurement Accuracy: ±3°C, ±3% Range: -20°C to +150°C, +100°C to +550°C	Recommended EO cameras: VS-SCZ8020KI/VS-SCZ8010KI/ VS-SCZ8003K & other BT601- compatible models	MT supports Temperature measurement Accuracy: ±3°C, ±3% Range: -20°C to +150°C, +100°C to +550°C	Recommended EO cameras: VS-SCZ8020KI/VS-SCZ8010KI/ VS-SCZ8003K & other BT601- compatible models

[RED]The visual source lists 6 model labels while the editable table extraction returns 5 model columns; refer to original source page 23 for any omitted rightmost columns

Compact EO/IR Series

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VS-SCZ5032YIE-MV/MT6019



VS-SCZ5032YIE-MV/MT6013



VS-SCZ5032YIE-LWY6009

	Visible		Thermal		Visible		Thermal		Visible		Thermal	
Image Sensor	1/2.8" 5MP CMOS STARVIS 2		Uncooled VOx Microbolometer 640x512, Pixel Pitch: 12µm 8 - 14µm, 50Hz, 40mK		1/2.8" 5MP CMOS STARVIS 2		Uncooled VOx Microbolometer 640x512, Pixel Pitch: 12µm 8 - 14µm, 50Hz, 40mK		1/2.8" 5MP CMOS STARVIS 2		Uncooled VOx Microbolometer 640x512, Pixel Pitch: 12µm 8 - 14µm, 50Hz, 40mK	
Lens	4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3		19mm, Athermalized, F1.0 4x Digital Zoom		4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3		13mm, Athermalized, F1.2 4x Digital Zoom		4.7 - 150mm, 32x Optical Zoom F1.6 - F4.3		9.1mm, Athermalized, F1.2 4x Digital Zoom	
Angle of View	HFOV: 57.1° - 1.96° VFOV: 44.4° - 1.47°		22° x 18°		HFOV: 57.1° - 1.96° VFOV: 44.4° - 1.47°		33° x 26°		HFOV: 57.1° - 1.96° VFOV: 44.4° - 1.47°		48.1° x 38.4°	
Video Output	Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps		Network: 1280x1024 (SXGA)@25fps Connect EO Camera (BT601)		Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps		Network: 1280x1024 (SXGA)@25fps Connect EO Camera (BT601)		Network: 2560x1920 (5MP)@50fps, 2560x1440 (4MP)@50/60fps		Network: 1280x1024 (SXGA)@25fps Connect EO Camera (BT601)	
Image Stabilization	EIS		/		EIS		/		EIS		/	
Analytics	Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection		Perimeter Intrusion Detection Fire Detection		Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection		Perimeter Intrusion Detection Fire Detection		Perimeter Intrusion Detection Abnormal Behavior Detection Smart Tracking Human & Vehicle Classification Fire & Smoke Detection Smoking & Calling Detection		Perimeter Intrusion Detection Fire Detection	
Audio	1 Line In / 1 Line Out				1 Line In / 1 Line Out				1 Line In / 1 Line Out			
Serial Communication	TTL x 2 (VISCA & Pelco)				TTL x 2 (VISCA & Pelco)				TTL x 2 (VISCA & Pelco)			
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB				Micro SD/SDHC/SDXC slot, up to 1TB				Micro SD/SDHC/SDXC slot, up to 1TB			
Power	9V - 12VDC; Typical 3.9W, Max 5.5W				9V - 12VDC; Typical 3.9W, Max 5.5W				9V - 12VDC; Typical 3.9W, Max 5.5W			
Dimensions(LxWxH)	96.3 x 52 x 58.6mm		Ø30.1 x 40.5mm		96.3 x 52 x 58.6mm		26 x 26 x 33.7mm		96.3 x 52 x 58.6mm		21 x 21 x 31mm	
Weight	300g		50g		300g		33g		300g		28g	
DORI/DRI Distance(M)	3000 / 1190 / 600 / 300		Human: 792 / 198 / 99 Vehicle: 2438 / 607 / 303		3000 / 1190 / 600 / 300		Human: 542 / 135 / 68 Vehicle: 1661 / 415 / 208		3000 / 1190 / 600 / 300		Human: 379 / 95 / 47 Vehicle: 1163 / 291 / 145	
Special Features	Recommended EO cameras: VS-SCZ8020KI/V5-SCZ8010KI/ V5-SCZ8003K & other BT601- compatible models		MT supports Temperature measurement Accuracy: ±3°C, ±3% Range: -20°C to +150°C, +100°C to +550°C		Recommended EO cameras: VS-SCZ8020KI/V5-SCZ8010KI/ V5-SCZ8003K & other BT601- compatible models		MT supports Temperature measurement Accuracy: ±3°C, ±3% Range: -20°C to +150°C, +100°C to +550°C		Recommended EO cameras: VS-SCZ8020KI/V5-SCZ8010KI/ V5-SCZ8003K & other BT601- compatible models		Cost-effective	

* The DORI distances are calculated according to Johnson criteria: detection(1.5 or more pixels), recognition(6 or more pixels), identification(12 or more pixels). This table is for reference only and performance may vary depending on the environment.

Visual reference: source page 23; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories

Thermal Imaging — Cooled MWIR

Editable table transcription | Original source page 24

Parameter	VS-MIM6660KYPF-D
Image Sensor	Cooled HgCdTe, 640x512
Pixel Pitch	15µm
Spectral Band	3.7 - 4.8µm
Sensitivity	NETD≤25mK
Lens	33 - 660mm, 20x Continuous zoom, F4.0
Angle of View	HFoV: 16.5°- 0.8° VFoV: 13.2°- 0.7°
Video Output	Network: 1280x1024 (SXGA)@50/60fps SDI: 1920x1080 (1080P)@50/60fps CVBS: 720x576/720x480(D1)@25/30fps
Digital Zoom	8x
Image Stabilization	EIS
Analytics	Perimeter Intrusion Detection
Serial Communication	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB
Power	Refrigeration pump: 24VDC±10% Camera: 9V - 12VDC Typical 20W, Max 65W
Dimensions(LxWxH)	Ø235 x 400mm
Weight	13kg
DRI Distance(M)	Human: 20000 / 5000 / 2700 Vehicle: 60000 / 16000 / 8000
Special Features	Cooling time: ≤7min @25°C Refrigeration pump life: 20000 hours

[RED]The visual source lists 2 model labels while the editable table extraction returns 1 model columns; refer to original source page 24 for any omitted rightmost columns.

Cooled MWIR Module

The New Generation of
Long-Range Thermal Imaging Systems



30km+
Long-range Detection



20,000 Hours
Cooler Lifetime



Cooled MWIR



VS-MIM6660KYPF-D



VS-MWZ6300KS

Image Sensor	Cooled HgCdTe, 640x512	Cooled T2SL, 640x512
Pixel Pitch	15µm	15µm
Spectral Band	3.7 - 4.8µm	3.7 - 4.8µm
Sensitivity	NETD ≤ 25mK	NETD ≤ 25mK
Lens	33 - 660mm, 20x Continuous zoom, F4.0	15 - 300mm, 20x Continuous zoom, F4.0
Angle of View	HFoV: 16.5° - 0.8° VFoV: 13.2° - 0.7°	HFoV: 35.5° - 1.8° VFoV: 28.7° - 1.5°
Video Output	Network: 1280x1024 (5XGA)@50/60fps SDI: 1920x1080 (1080P)@50/60fps CVBS: 720x576/720x480 (D1)@25/30fps	Network: 1280x1024 (5XGA)@50/60fps SDI: 1920x1080 (1080P)@50/60fps CVBS: 720x576/720x480 (D1)@25/30fps
Digital Zoom	8x	8x
Image Stabilization	EIS	EIS
Analytics	Perimeter Intrusion Detection	Perimeter Intrusion Detection
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	Refrigeration pump: 24VDC±10% Camera: 9V - 12VDC Typical 20W, Max 65W	9V - 12VDC Typical 8W, Max 25W
Dimensions(LxWxH)	Ø235 x 400mm	290 x 150 x 130mm
Weight	13kg	3.3kg
DRI Distance(M)	Human: 20000 / 5000 / 2700 Vehicle: 60000 / 16000 / 8000	Human: 8000 / 2000 / 1000 Vehicle: 30000 / 7000 / 3000
Special Features	Cooling time: ≤ 7min @25°C Refrigeration pump life: 20000 hours	Cooling time: ≤ 4.5min @25°C Refrigeration pump life: 20000 hours

Visual reference: source page 24; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

SWIR Camera Modules — SWIR Zoom Series

Editable table transcription | Original source page 26

Parameter	VS-MIZA030NIC	VS-MIZ6030NIC	VS-SWZA128YIE
Sensor Type	1/2" InGaAs, 1280x1024	1/4" InGaAs, 640x512	1/2" InGaAs, 1280x1024
Pixel Pitch	5µm	5µm	5µm
Spectral Band	400 - 1700nm	400 - 1700nm	400 - 1700nm
Focal Length	17 - 510mm, 30x Optical	17 - 510mm, 30x Optical	7.1 - 200mm, 28x Optical
Passband	Broadband: 1000 - 1700nm Narrowband: 1450 - 1700nm	Broadband: 1000 - 1700nm Narrowband: 1450 - 1700nm	Broadband: 1000 - 1700nm Narrowband: 1450 - 1700nm
Max. Aperture	F2.9 - F5.5	F2.9 - F5.5	F1.7 - F4.8
Angle of View	HFoV: 21.3° - 0.72° VFoV: 17.1° - 0.58°	HFoV: 10.7° - 0.36° VFoV: 8.6° - 0.29°	HFoV: 48.5° - 1.83° VFoV: 39.6° - 1.47°
Max. Resolution / Frame Rate	Network: 1280x1024 (SXGA)@50/60fps LVDS: 1920x1080 (1080P)@50/60fps	Network: 1280x1024 (SXGA)@50/60fps LVDS: 1920x1080 (1080P)@50/60fps	Network: 1280x1024 (SXGA)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps
Image Stabilization	EIS	EIS	EIS
Analytics	Perimeter Intrusion Detection	Perimeter Intrusion Detection	Perimeter Intrusion Detection
Video Output	10/100M Ethernet, LVDS	10/100M Ethernet, LVDS	10/100M Ethernet, MIPI
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4W, Max 9W	9V - 12VDC: Typical 4W, Max 9W	9V - 12VDC: Typical 4.5W, Max 5.5W
Dimensions(LxWxH)	320 x 109 x 109mm	320 x 109 x 109mm	138 x 66 x 77mm
Weight	3.2kg	3.2kg	618g
DORI Distance(M)	4080 / 1619 / 816 / 408	4080 / 1619 / 816 / 408	1600 / 635 / 320 / 160

[RED]The visual source lists 4 model labels while the editable table extraction returns 3 model columns; refer to original source page 26 for any omitted rightmost columns.

SWIR Zoom Series

VS-MIZA030NIC

VS-MIZ6030NIC

VS-SWZA128YIE

VS-SWZ6128YIE

Sensor Type	1/2" InGaAs, 1280x1024 SensSWIR	1/4" InGaAs, 640x512 SensSWIR	1/2" InGaAs, 1280x1024 SensSWIR	1/4" InGaAs, 640x512 SensSWIR
Pixel Pitch	5µm	5µm	5µm	5µm
Spectral Band	400 - 1700nm	400 - 1700nm	400 - 1700nm	400 - 1700nm
Focal Length	17 - 510mm, 30x Optical	17 - 510mm, 30x Optical	71 - 200mm, 28x Optical	71 - 200mm, 28x Optical
Passband	Broadband: 1000 - 1700nm Narrowband: 1450 - 1700nm	Broadband: 1000 - 1700nm Narrowband: 1450 - 1700nm	Broadband: 1000 - 1700nm Narrowband: 1450 - 1700nm	Broadband: 1000 - 1700nm Narrowband: 1450 - 1700nm
Max. Aperture	F2.9 - F5.5	F2.9 - F5.5	F1.7 - F4.8	F1.7 - F4.8
Angle of View	HFoV: 21.3° - 0.72° VFoV: 171° - 0.58°	HFoV: 10.7° - 0.36° VFoV: 8.6° - 0.29°	HFoV: 48.5° - 1.83° VFoV: 39.6° - 1.47°	HFoV: 25.4° - 0.92° VFoV: 20.4° - 0.73°
Max. Resolution / Frame Rate	Network: 1280x1024 (SXGA)@50/60fps LVDS: 1920x1080 (1080P)@50/60fps	Network: 1280x1024 (SXGA)@50/60fps LVDS: 1920x1080 (1080P)@50/60fps	Network: 1280x1024 (SXGA)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps	Network: 1280x1024 (SXGA)@50/60fps MIPI: 1920x1080 (1080P)@50/60fps
Image Stabilization	EIS	EIS	EIS	EIS
Analytics	Perimeter Intrusion Detection	Perimeter Intrusion Detection	Perimeter Intrusion Detection	Perimeter Intrusion Detection
Video Output	10/100M Ethernet, LVDS	10/100M Ethernet, LVDS	10/100M Ethernet, MIPI	10/100M Ethernet, MIPI
Audio	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out	1 Line In / 1 Line Out
Serial Communication	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Typical 4W, Max 9W	9V - 12VDC: Typical 4W, Max 9W	9V - 12VDC: Typical 4.5W, Max 5.5W	9V - 12VDC: Typical 4.5W, Max 5.5W
Dimensions(LxWxH)	320 x 109 x 109mm	320 x 109 x 109mm	138 x 66 x 77mm	138 x 66 x 77mm
Weight	3.2kg	3.2kg	618g	618g
DORI Distance(M)	4080 / 1619 / 816 / 408	4080 / 1619 / 816 / 408	1600 / 635 / 320 / 160	1600 / 635 / 320 / 160

Visual reference: source page 26; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

SWIR Camera Modules — SWIR Box-Type Series

Editable table transcription | Original source page 27

Parameter	VS-MIYA000NI
Sensor Type	1/2" InGaAs, 1280x1024
Pixel Pitch	5µm
Spectral Band	400 - 1700nm
Lens Mount	C-Mount
Max. Resolution / Frame Rate	Network: 1280x1024 (SXGA)@50/60fps SDI: 1920x1080 (1080P)@50/60fps
Image Stabilization	EIS
Analytics	Perimeter Intrusion Detection
Video Output	10/100M Ethernet, SDI
Serial Communication	TTL x 2 (VISCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Max 4.5W
Dimensions(LxWxH)	48 x 50 x 55mm
Weight	150g
Communication	TTL (VISCA) & RS485 (Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: 4W
Dimensions(LxWxH)	Ø65mm×107mm

[RED]The visual source lists 2 model labels while the editable table extraction returns 1 model columns; refer to original source page 27 for any omitted rightmost columns.

SWIR Box-Type Series



VS-MIYA000NI



VS-MIY6000NI

Sensor Type	1/2" InGaAs, 1280x1024 SensSWIR	1/4" InGaAs, 640x512 SensSWIR
Pixel Pitch	5µm	5µm
Spectral Band	400 - 1700nm	400 - 1700nm
Lens Mount	C-Mount	C-Mount
Max. Resolution / Frame Rate	Network: 1280x1024 (SXGA)@50/60fps SDI: 1920x1080 (1080P)@50/60fps	Network: 1280x1024 (SXGA)@50/60fps SDI: 1920x1080 (1080P)@50/60fps
Image Stabilization	EIS	EIS
Analytics	Perimeter Intrusion Detection	Perimeter Intrusion Detection
Video Output	10/100M Ethernet, SDI	10/100M Ethernet, SDI
Serial Communication	TTL x 2 (VSCA & Pelco)	TTL x 2 (VSCA & Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: Max 4.5W	9V - 12VDC: Max 4.5W
Dimensions(LxWxH)	48 x 50 x 55mm	48 x 50 x 55mm
Weight	150g	150g
Communication	TTL (VSCA) & RS485 (Pelco)	TTL (VSCA) & RS485 (Pelco)
Edge Storage	Micro SD/SDHC/SDXC slot, up to 1TB	Micro SD/SDHC/SDXC slot, up to 1TB
Power	9V - 12VDC: 4W	9V - 12VDC: 4W
Dimensions(LxWxH)	Ø65mmx107mm	48x47x90mm

Optional Lenses

Focal Length	8mm	12mm	25mm	35mm	50mm	100mm
Max. Aperture	F1.4	F1.4	F1.3	F1.4	F1.4	F2.1
Format	1/1.2"	1"	1.1"	1.1"	2/3"	1.6"
Mount	C-Mount	C-Mount	C-Mount	C-Mount	C-Mount	C-Mount
Passband	800 - 1700nm	800 - 1700nm	800 - 1700nm	800 - 1700nm	800 - 1700nm	800 - 1700nm
FoV(HxV)	VS-MIYA000NI	45.2° x 36.4°	30.4° x 24.4°	14.6° x 11.7°	10.5° x 8.4°	7.34° x 5.86°
	VS-MIY6000NI	22.6° x 18.2°	15.2° x 12.2°	7.32° x 5.86°	5.23° x 4.19°	3.67° x 2.93°
Dimension	Ø49*66.7mm	Ø56*76.7mm	Ø48*68.2mm	Ø46*47.7mm	Ø52*75.1mm	Ø69.5*141.6mm
Weight	195g	252g	268g	235g	200g	764g
DORI Distance(M)	64 / 25 / 13 / 6	96 / 38 / 19 / 10	200 / 79 / 40 / 20	280 / 111 / 56 / 28	400 / 159 / 80 / 40	800 / 317 / 160 / 80

Visual reference: source page 27; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories

Accessories — Laser IR Illuminator

Editable table transcription | Original source page 29

Parameter	VS-LD1005	VS-LD1008	IR-808-1500-S	IR-940-1500-S	IR-808-2000-S	IR-940-2000-S	VS-LD1130
Effective Illumination Range	≥500m	≥800m	≥1500m	≥1500m	≥2000m	≥2000m	≥3000m
Wavelength	850nm	850nm	808nm	940nm	808nm	940nm	808nm
Max. Output Power	2W	4W	8W	8W	12W	12W	20W
Illuminator Angle	1.8° - 71°	1.8° - 71°	0.8° - 72°	0.8° - 70°	0.8° - 70°	0.8° - 70°	0.3° - 43°
Zoom Speed	3s	3s	10s	10s	10s	10s	10s
Power	12VDC, Max 10W	12VDC, Max 20W	12VDC, Max 28W	24VDC, Max 28W	24VDC, Max 40W	24VDC, Max 40W	24-48VDC, Max 60W
Communication	RS485/TTL	RS485/TTL	RS485/TTL	RS485/TTL	RS485/TTL	RS485/TTL	RS485/TTL
Laser Classification	Class 3B	Class 3B	Class 4	Class 4	Class 4	Class 4	Class 4
Dimensions(LxWxH)	60 x 30 x 41mm	66 x 35 x 47mm	147 x 64 x 63mm	147 x 64 x 63mm	147 x 64 x 63mm	147 x 64 x 63mm	323 x 97 x 107mm
Weight	85g	105g	550g	550g	550g	550g	1.7kg
Special Features	VCSEL, Compact Design	VCSEL, Compact Design	/	/	/	/	Motorized Angular Alignment

[RED]The visual source lists 8 model labels while the editable table extraction returns 7 model columns; refer to original source page 29 for any omitted rightmost columns

Laser IR Illuminator



VS-LD1005



VS-LD1008



IR-808-1500-S



IR-940-1500-S



IR-808-2000-S



IR-940-2000-S



VS-LD1130



VS-LD1150

	VS-LD1005	VS-LD1008	IR-808-1500-S	IR-940-1500-S	IR-808-2000-S	IR-940-2000-S	VS-LD1130	VS-LD1150
Effective Illumination Range	≥ 500m	≥ 800m	≥ 1500m	≥ 1500m	≥ 2000m	≥ 2000m	≥ 3000m	≥ 5000m
Wavelength	850nm	850nm	808nm	940nm	808nm	940nm	808nm	808nm
Max. Output Power	2W	4W	8W	8W	12W	12W	20W	50W
Illuminator Angle	1.8° - 71°	1.8° - 71°	0.8° - 72°	0.8° - 70°	0.8° - 70°	0.8° - 70°	0.3° - 43°	0.15° - 15°
Zoom Speed	3s	3s	10s	10s	10s	10s	10s	10s
Power	12VDC, Max 10W	12VDC, Max 20W	12VDC, Max 28W	24VDC, Max 28W	24VDC, Max 40W	24VDC, Max 40W	24-48VDC, Max 60W	24VDC, Max 130W
Communication	RS485/TTL	RS485/TTL	RS485/TTL	RS485/TTL	RS485/TTL	RS485/TTL	RS485/TTL	RS485/TTL
Laser Classification	Class 3B	Class 3B	Class 4	Class 4	Class 4	Class 4	Class 4	Class 4
Dimensions(LxWxH)	60 x 30 x 41mm	66 x 35 x 47mm	147 x 64 x 63mm	147 x 64 x 63mm	147 x 64 x 63mm	147 x 64 x 63mm	323 x 97 x 107mm	372 x 153 x 132mm
Weight	85g	105g	550g	550g	550g	550g	1.7kg	2.3kg
Special Features	VCSEL, Compact Design	VCSEL, Compact Design	/	/	/	/	Motorized Angular Alignment	Motorized Angular Alignment

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories

Visual reference: source page 29; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Accessories — Laser Range Finder

Editable table transcription | Original source page 30

Parameter	LRF5000	LRF6000	LRF7000	LRF8000	LRF10000	LRF12000	LRF15000
Max Measurement Range	Building	≥6000m	≥7000m	≥8000m	≥10000m	≥12000m	≥15000m
	Vehicle(2.3m×2.3m)	≥5000m	≥6000m	≥7000m	≥8000m	≥10000m	≥12000m
	Human(1.7m×0.5m)	≥3000m	≥3000m	≥3000m	≥4000m	≥5000m	≥6000m
Mini Range		≤15m	≤30m	≤30m	≤30m	≤50m	≤100m
Measurement Accuracy		±1m	±1m	±1m	±1m	±1.5m	±1.5m
Success Rate		98%	98%	98%	98%	98%	98%
Range Resolution		≤30m	≤30m	≤30m	≤30m	≤30m	≤30m
Laser Classification		Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Wavelength		1535nm	1535nm	1535nm	1535nm	1535nm	1535nm
Frequency		1 - 10Hz	1 - 10Hz	1 - 10Hz	1 - 10Hz	1 - 10Hz	1 - 10Hz
Communication		TTL	RS422	RS422	RS422	RS422	RS422
Power		5-28VDC, Standby≤0.15W, Typical≤1W, Max≤3W	5-28VDC, Standby≤0.15W, Typical≤3W, Max≤7W	5-28VDC, Standby≤0.15W, Typical≤3W, Max≤7W	5-28VDC, Standby≤0.15W, Typical≤3W, Max≤7W	5-28VDC, Standby≤0.15W, Typical≤6W, Max≤14W	5-28VDC, Standby≤0.15W, Typical≤6W, Max≤14W
Dimensions(LxWxH)		50 × 23 × 33.5mm	65 × 40 × 28mm	65 x 48 x 32mm	65 x 48 x 32mm	83 × 61 × 48mm	100 × 60 × 70mm
Weight		40g	55g	75g	75g	130g	240g

Laser Range Finder

								
		LRF5000	LRF6000	LRF7000	LRF8000	LRF10000	LRF12000	LRF15000
Max Measurement Range	Building	≥ 6000m	≥ 7000m	≥ 8000m	≥ 10000m	≥ 12000m	≥ 15000m	≥ 20000m
	Vehicle(2.3m×2.3m)	≥ 5000m	≥ 6000m	≥ 7000m	≥ 8000m	≥ 10000m	≥ 12000m	≥ 15000m
	Human(1.7m×0.5m)	≥ 3000m	≥ 3000m	≥ 3000m	≥ 4000m	≥ 5000m	≥ 6000m	≥ 7000m
Mini Range		≤ 15m	≤ 30m	≤ 30m	≤ 30m	≤ 50m	≤ 100m	≤ 100m
Measurement Accuracy		±1m	±1m	±1m	±1m	±1.5m	±1.5m	±1.5m
Success Rate		98%	98%	98%	98%	98%	98%	98%
Range Resolution		≤ 30m	≤ 30m	≤ 30m	≤ 30m	≤ 30m	≤ 30m	≤ 30m
Laser Classification		Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Wavelength		1535nm	1535nm	1535nm	1535nm	1535nm	1535nm	1535nm
Frequency		1 - 10Hz	1 - 10Hz	1 - 10Hz	1 - 10Hz	1 - 10Hz	1 - 10Hz	1 - 10Hz
Communication		TTL	RS422	RS422	RS422	RS422	RS422	RS422
Power		5-28VDC, Standby ≤ 0.15W, Typical ≤ 1W, Max ≤ 3W	5-28VDC, Standby ≤ 0.15W, Typical ≤ 3W, Max ≤ 7W	5-28VDC, Standby ≤ 0.15W, Typical ≤ 3W, Max ≤ 7W	5-28VDC, Standby ≤ 0.15W, Typical ≤ 3W, Max ≤ 7W	5-28VDC, Standby ≤ 0.15W, Typical ≤ 6W, Max ≤ 14W	5-28VDC, Standby ≤ 0.15W, Typical ≤ 6W, Max ≤ 14W	5-28VDC, Standby ≤ 0.15W, Typical ≤ 6W, Max ≤ 14W
Dimensions(LxWxH)		50 × 23 × 33.5mm	65 × 40 × 28mm	65 × 48 × 32mm	65 × 48 × 32mm	83 × 61 × 48mm	100 × 60 × 70mm	104 × 61 × 74mm
Weight		40g	55g	75g	75g	130g	240g	270g

Visual reference: source page 30; consult this image for original product images, spatial grouping and any fine detail not fully captured by the editable table.

Accessories — Camera Expansion Boards

Editable list from source page 31

Board name in source	Description
MIPI to SDI & CVBS Board	Video-interface conversion
LVDS to SDI & CVBS Board	Video-interface conversion
BT1120 to SDI & CVBS Board	Video-interface conversion
MIPI to LVDS Board	Video-interface conversion
RS485 & Alarm Expansion Board	Serial/alarm expansion
DC24V Power & RS485/422 Expansion Board	Power and serial-interface expansion
PoE (AT) Power Board	Power expansion
Gyro Add-on Board	Motion/stabilization accessory

The descriptions in the second column are concise functional labels inferred from the board names, not detailed specifications; original descriptions were not supplied for these boards.

Camera Expansion Board



MIPI to SDI&CVBS Board



LVDS to SDI&CVBS Board



BT1120 to SDI&CVBS Board



MIPI to LVDS Board



RS485 & Alarm Expansion Board



DC24V Power
& RS485/422 Expansion Board



PoE(AT) Power Board



Gyro Add-on Board

Zoom Camera Modules

Thermal Imaging Modules

SWIR Camera Modules

Accessories

Visual Reference — Full-Spectrum Imaging Chart

Original visual reference from source page 5

Full-Spectrum Imaging

Capture Beyond Vision and Distance



Visual Reference — Advanced Optical System

Original visual reference from source page 6

Advanced Optical System

20km+ Observation | 5-Axis Stabilization | Military-Grade Reliability

Ultra-Long Range



Super Image Stabilization



Super Defog Obscurant Penetration



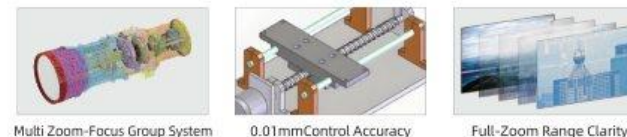
High Precision Optical Axis



4K Optical Excellence



Advanced Zoom-Focus System



Extreme Environment Reliability



Advanced Image Sensor



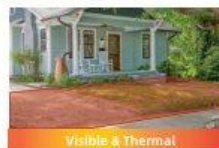
Visual Reference — AI-Powered Vision Intelligence

Original visual reference from source page 7

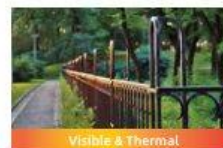
AI-Powered Vision Intelligence

Real-Time AI Analytics | AI-ISP Image Enhancement

Perimeter Intrusion Detection



Tripwire



Virtual Fence



Area Intrusion

Smart Tracking



Human & Vehicle Detection and Classification



Abnormal Behavior Detection



Loitering Detection



Fast Moving



Crowd Gathering



Parking Detection



Abandoned Object



Missing Object

Fire Prevention



Fire & Smoke Detection



Smoking & Calling Detection



Fire Detection

VMAGE AI-ISP



Color View | VMAGE

AI NR, SNR increased by 4 times in low-light scenes



HDR | VMAGE

AI HDR, Dynamic range increased by 12dB in high-contrast scenes



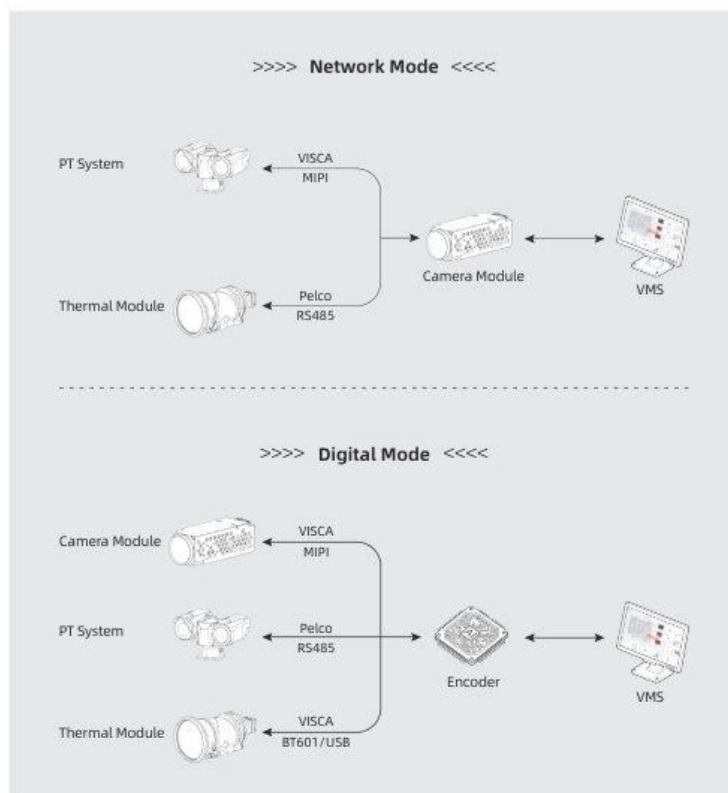
VMAGE

Visual Reference — Integration Ecosystem

Original visual reference from source page 8

Seamless Integration Ecosystem

Dual Integration Mode



Single IP Multi-spectrum Solution



Network interoperability
compatible with VMS and C2 platforms



HTTP API



Linux SDK



ONVIF Profiles

Security & Compliance



Cybersecurity



CE



ISO9001 certified



NDAA



RoHS

Editorial Notes & Source

SOURCE AND VERIFICATION NOTES

Source: "CAMERA MODULE PRODUCT PORTFOLIO," 2025 H2, supplied PDF (32 pages). The editable spec tables were rebuilt from the tables/text available in the source PDF; original page images are included beside the main tables for cross-checking.

Portfolio-level statements such as 20 km+ observation, 1200 mm OIS zoom, AI-ISP, and multispectral fusion apply only where described in the source and should not be read as specifications for every model.

Some dense source tables use merged cells or combined visible/thermal product headings; the editable extraction may not retain every visual grouping perfectly. The corresponding original-page image is provided for verification.

The source itself states that designs and specifications may change without notice. Confirm current configurations, interfaces, performance data, and availability with the manufacturer before publication or procurement.



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