

CAMERA SERIES ZOOM MODULE



VISIBLE | **Ultra** Long Range Series
VISIBLE | **High Resolution** Long Range Series
VISIBLE | **Special** Long Range Series
VISIBLE | **Starlight** Long Range Series
VISIBLE | **High Resolution General** Series
VISIBLE | **Starlight General** Series

2M 36X IP | Starlight Zoom Module
2M 36X IP | Starlight **Digital** Zoom Module
2M **42X** IP | Starlight **Digital** Zoom Module
2M **42X** IP | Starlight **IP** Zoom Module
2M **52X** IP | Starlight **IP** Zoom Module
2M **52X** IP | Starlight **Digital** Zoom Module
8M **23X** IP | Starlight **IP** Zoom Module

Thermal Infrared | EO / IR Series
Thermal Infrared | Fixed Lens Series
Thermal Infrared | Continuous Zoom Lens Series





I Stepper Motors Lens

More Precise control and longer service life

I Aspherical Glasses

Improve the clarity

Widen the field of view

Increase the light throughput

I All-in-one Design

More compact and reliable

	ASP-SCZ2086HM-8	ASP-SCZ4088HM-8	ASP-SCZ2080HM-8
Feature	86X,2Mp,Network & LVDS Dual OutPut	86X,2K,Network & LVDS Dual OutPut	80X,2Mp,Network & LVDS Dual OutPut
Sensor	1/2" CMOS, 2.13 Megapixel	1/1.8" CMOS, 4.53 Megapixel	1/1.8" CMOS, 4.53 Megapixel
Focal Length	10~860mm, 86 x Optical Zoom	10.5~920mm, 88 x Optical Zoom	15~1200mm, 80 x Optical Zoom
Aperture	F2.0~F6.8	F2.1~F6.8	F2.1~F9
Field of View	42°~0.44°	38°~0.4°	23°~0.3°
Max. Resolution	Network: 60/50fps@1920x1080 LVDS: 60/50fps@1920x1080	Network: 60/50fps@2688x1520 LVDS: 60/50fps@1920x1080	Network: 60/50fps@1920x1080 LVDS: 60/50fps@1920x1080
Min. Illumination	Color: 0.001Lux/F2.0	Color: 0.02Lux/F2.1	Color: 0.02Lux/F2.1
Day/Night	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)
Defog	Electronic (Optical Defog)	Electronic (Optical Defog)	Electronic (Optical Defog)
Focus	Auto or Manual	Auto or Manual	Auto or Manual
Noise Reduction	3D/2D	3D/2D	3D/2D
Compression	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG
Video Protocol	RTSP / ONVIF	RTSP / ONVIF	RTSP / ONVIF
Storage	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB
IVS	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.
Video Output Interface	10/100M Ethernet(8 PIN), LVDS(30PIN)	10/100M Ethernet(8 PIN), LVDS(30PIN)	10/100M Ethernet(8 PIN), LVDS(30PIN)
Serial Communication Interface	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands
Operational Temperature	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH
Input Voltage	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)
Dimensions(L*W*H)	395mm*145mm*150mm	395mm*145mm*150mm	395mm*145mm*150mm
Weight	5.6Kg	5.6Kg	5.6Kg

※ Product specifications and designs are subject to change without prior notice for quality improvement.



I Abundant Interface

100/1000M Ethernet
LVDS
TTL Serial Communication Interface

I Excellent Compatibility

Onvif, Compatible with major third-party VMS
VISCA/PELCO, Integration control made easy

I All-in-one Design

More compact and reliable

	ASP-SCZ8050HM(-8)	ASP-SCZ4050HM(-8)	ASP-SCZ3050HM(-8)
Feature	50X, 4K, Network & LVDS Dual OutPut	50X, 2K, Network & LVDS Dual OutPut	50X, 3Mp, Network & LVDS Dual OutPut, GS
Sensor	1/1.8" CMOS, 8.42 Megapixel	1/1.8" CMOS, 4.53 Megapixel	1/1.8" CMOS, 3.19 Megapixel, Global Shutter
Focal Length	6~300mm, 50 x Optical Zoom	6~300mm, 50 x Optical Zoom	6~300mm, 50 x Optical Zoom
Aperture	F1.4~F4.5	F1.4~F4.5	F1.4~F4.5
Field of View	59°~1.8°	62°~1.6°	60°~1.8°
Max. Resolution	Network: 30/25fps@3840x2160 LVDS: 60/50fps@1920x1080	Network: 60/50fps@2688x1520 LVDS: 60/50fps@1920x1080	Network: 60/50fps@2048x1536 LVDS: 60/50fps@1920x1080
Min. Illumination	Color: 0.1Lux/F1.4	Color: 0.005Lux/F1.4	Color: 0.005Lux/F1.4
Day/Night	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)
Defog	Electronic (Optical Defog)	Electronic (Optical Defog)	Electronic (Optical Defog)
Focus	Auto or Manual	Auto or Manual	Auto or Manual
Noise Reduction	3D/2D	3D/2D	3D/2D
Compression	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG
Video Protocol	RTSP / ONVIF	RTSP / ONVIF	RTSP / ONVIF
Storage	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB
IVS	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.
Video Output Interface	10/100M Ethernet(8 PIN), LVDS(30PIN)	10/100M Ethernet(8 PIN), LVDS(30PIN)	10/100M Ethernet(8 PIN), LVDS(30PIN)
Serial Communication Interface	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands
Operational Temperature	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH
Input Voltage	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)
Dimensions(L*W*H)	175mm*72mm*77mm	175mm*72mm*77mm	175mm*72mm*77mm
Weight	900g	900g	900g

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All-in-one Design

More compact and reliable



Optical Image Stabilisation

	ASP-SCZ2090HM(-8)	ASP-SCZ2068HM(-8)	ASP-SCZ2058HM(-8)
Feature	90X,2Mp,Network & LVDS Dual OutPut	68X,2Mp,Network & LVDS Dual OutPut	58X,2Mp,Network,Optical Image Stabilisation
Sensor	1/1.8" CMOS, 8.42 Megapixel	1/1.8" CMOS, 4.53 Megapixel	1/1.8" CMOS, 4.53 Megapixel
Focal Length	6~540mm, 90 x Zoom	6~408mm, 68 x Zoom	6.3~365mm, 58 x Zoom
Aperture	F1.4~F4.8	F1.4~F4.6	F1.4~F4.5
Field of View	59°~0.8°	58°~1.4°	59°~1.5°
Max. Resolution	Network: 60/50fps@1920x1080 LVDS: 60/50fps@1920x1080	Network: 60/50fps@1920x1080 LVDS: 60/50fps@1920x1080	Network: 30/25fps@1920x1080
Min. Illumination	Color: 0.1Lux/F1.4	Color: 0.005Lux/F1.4	Color: 0.005Lux/F1.4
Day/Night	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)
Defog	Electronic (Optical Defog)	Electronic (Optical Defog)	Electronic (Optical Defog)
Focus	Auto or Manual	Auto or Manual	Auto or Manual
Noise Reduction	3D/2D	3D/2D	3D/2D
Compression	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG
Video Protocol	RTSP / ONVIF	RTSP / ONVIF	RTSP / ONVIF
Storage	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB
IVS	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.
Video Output Interface	10/100M Ethernet(8 PIN), LVDS(30PIN)	10/100M Ethernet(8 PIN), LVDS(30PIN)	10/100M Ethernet(8 PIN), LVDS(30PIN)
Serial Communication Interface	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands
Operational Temperature	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH
Input Voltage	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)
Dimensions(L*W*H)	175mm*72mm*77mm	175mm*72mm*77mm	145mm*82mm*96mm
Weight	900g	900g	930g

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I Starlight

Min. Illumination Color : 0.001Lux/F1.4

I All-in-one Design

More compact and reliable

I Excellent Compatibility

Onvif, Compatible with major third-party VMS
VISCA/PELCO, Integration control made easy

	ASP-SCZ2050H(-8)	ASP-SCZ2042H(-8)
Feature	50X,2Mp,Network, Ultra Starlight	42X,2Mp,Network, Ultra Starlight
Sensor	1/2" CMOS, 2.13 Megapixel	1/2.8" CMOS, 2.13 Megapixel
Focal Length	6~300mm, 50 x Optical Zoom	7~300mm, 42 x Optical Zoom
Aperture	F1.4~F4.5	F1.6~F6.0
Field of View	58.4°~1.4°	42°~1.2°
Max. Resolution	Network: 60/50fps@1920x1080	Network: 60/50fps@1920x1080
Min. Illumination	Color: 0.001Lux/F1.4	Color: 0.005Lux/F1.6
Day/Night	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)
Defog	Electronic (Optical Defog)	Electronic (Optical Defog)
Focus	Auto or Manual	Auto or Manual
Noise Reduction	3D/2D	3D/2D
Compression	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG
Video Protocol	RTSP / ONVIF	RTSP / ONVIF
Storage	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB
IVS	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.
Video Output Interface	10/100M Ethernet(4 PIN), CVBS	10/100M Ethernet(4 PIN), CVBS
Serial Communication Interface	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands
Operational Temperature	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH
Input Voltage	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)
Dimensions(L*W*H)	175mm*72mm*77mm	145mm*54mm*64mm
Weight	900g	600g

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I High Resolution

4K, 8Mp / 2K, 4Mp



I All-in-one Design

More compact and reliable

	ASP-SCZ8030H	ASP-SCZ8002H	ASP-SCZ4035HM(-8)
Feature	30X, 4K, Network	2.3X, 4K, Network	35X, 2K, Network & LVDS Dual OutPut
Sensor	1/1.8" CMOS, 8.42 Megapixel	1/1.8" CMOS, 8.42 Megapixel	1/1.8" CMOS, 4.53 Megapixel
Focal Length	6-180mm, 30x Optical Zoom	4.4~10.2mm, 2.3 x Optical Zoom	6~210mm, 35 x Optical Zoom
Aperture	F1.5~F4.3	F1.4~F2.2	F1.5~F4.8
Field of View	63°~2.5°	109°~42°	61°~2.0°
Max. Resolution	Network: 30/25fps@3840x2160	Network: 30/25fps@3840x2160	Network: 30/25fps@3840x2160 LVDS: 60/50fps@1920x1080
Min. Illumination	Color: 0.1Lux/F1.5	Color: 0.1Lux/F1.4	Color: 0.005Lux/F1.5
Day/Night	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)
Defog	Electronic Defog	Electronic Defog	Electronic (Optical Defog)
Focus	Auto or Manual	Auto or Manual	Auto or Manual
Noise Reduction	3D/2D	3D/2D	3D/2D
Compression	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG
Video Protocol	RTSP / ONVIF	RTSP / ONVIF	RTSP / ONVIF
Storage	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB
IVS	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.
Video Output Interface	10/100M Ethernet(4 PIN), CVBS	10/100M Ethernet(4 PIN), CVBS	10/100M Ethernet(4 PIN), CVBS(30PIN)
Serial Communication Interface	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands
Operational Temperature	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH
Input Voltage	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)
Dimensions(L*W*H)	126mm*54mm*68mm	66.3mm*48mm*48mm	126mm*54mm*68mm
Weight	405g	80g	410g

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I Excellent Compatibility

Onvif, Compatible with major third-party VMS
VISCA/PELCO, Integration control made easy

I All-in-one Design

More compact and reliable

	ASP-SCZ2035H(-8)	ASP-SCZ2030H	ASP-SCZ2023H
Feature	35X, Full HD, Network, Ultra Starlight	30X, Full HD, Network, Ultra Starlight	23X, Full HD, Network, Ultra Starlight
Sensor	1/2" CMOS, 2.13 Megapixel	1/2.8" CMOS, 2.13 Megapixel	1/2.8" CMOS, 2.13 Megapixel
Focal Length	6~210mm, 35 x Optical Zoom	4.7~141mm, 30 x Optical Zoom	5~117mm, 23 x Optical Zoom
Aperture	F1.5~F4.8	F1.4~F4.5	F1.5~F3.5
Field of View	61°~2.0°	61°~2.3°	58°~2.8°
Max. Resolution	Network: 30/25fps@1920x1080	Network: 30/25fps@1920x1080	Network: 30/25fps@1920x1080
Min. Illumination	Color: 0.1Lux/F1.5	Color: 0.005Lux/F1.5	Color: 0.005Lux/F1.5
Day/Night	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)	IR Cut filter with auto switch (ICR)
Defog	Electronic (Optical Defog)	Electronic (Optical Defog)	Electronic (Optical Defog)
Focus	Auto or Manual	Auto or Manual	Auto or Manual
Noise Reduction	3D/2D	3D/2D	3D/2D
Compression	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG	H.265/H.264 / MJPEG
Video Protocol	RTSP / ONVIF	RTSP / ONVIF	RTSP / ONVIF
Storage	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB	Support TF card, Max up to 256GB
IVS	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.	Tripwire, Intrusion, Loitering Detection, etc.
Video Output Interface	10/100M Ethernet(4 PIN), CVBS	10/100M Ethernet(4 PIN), CVBS	10/100M Ethernet(4 PIN), LVDS(30 PIN)
Serial Communication Interface	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands	2X TTL; Compatible with SONY VISCA and PelcoCommands
Operational Temperature	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH	-20°C~+60°C / 20% to 80%RH
Input Voltage	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)	9V~12V DC (Recommend: 12V)
Dimensions(L*W*H)	126mm*54mm*68mm	96mm*52mm*58mm	96mm*52mm*58mm
Weight	410g	290g	290g

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