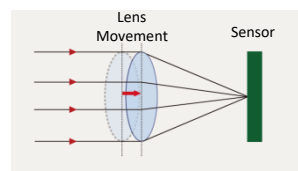


- Zoom lens/ Motorized lens available
- Auto Focus function
- HDR Engine Gen3
- Remote Zoom/ Focus/ IRIS control on AF lens
- Dual IRIS support (Auto-IRIS & P-IRIS)



### Auto Focus

MS-7S7-K can perform fast, reliable auto focus and can adapt to different indoor and outdoor scenes through its unique algorithm. As auto focus can be done by camera itself, no on-site focus adjustment is required.



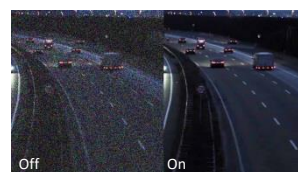
### HDR Engine Gen3

The latest HDR engine delivers excellent, natural high dynamic images. Both details of high light and low light areas are kept, and no blending artifacts are generated.



### Crystal Engine Gen3

Under extremely low light environment, Crystal engine gen3 delivers low noise, high quality image without compromising on details. In addition, it also keeps image sharp on motion object.



### Features

- Multiple Progressive Scan CMOS Sensor support up to 5M Resolution
- Multi Exposure line-interleaved HDR
- Multi Codec support (H.265/ H.264/ MJPEG)
- Low Latency Streaming
- Quad Streams support
- True Day/Night function (ICR)
- IR LED (working distance up to 40m)
- 3D Motion Compensated Noise Reduction (MCTF)
- Text Overlay and Privacy Masks
- Smart Event function
  - External Input/ Manual Trigger
  - Motion Detection/ Periodical Event
  - Network Failure Detection/ Audio Detection
- Micro SD/ SDHC/ SDXC Card support
- ONVIF Profile S/ G/ T/ M support
- Smart Low Bitrate control
- Weatherproof (IP66)
- Vandal Proof (IK10 Rating)

## Custom Specification ( Default )

OmniVision 5M		
Image Sensor	OmniVision 5M 1/2.7" Progressive CMOS	
Effective Pixels	HxV = 2720x1976 (5M)	
Pixel Size	2.0 μm	
Frame Rate (Maximum)	H.265 HDR 1080P @30fps + d1 @30fps	
	H.264 HDR 1080P @30fps + d1 @30fps	
	MJPEG 1080p @30fps	
Lens		
Minimum Illumination	Color	0.08 lux
	B/W	0.008 lux
Lens	Type	Motorized Lens, P-Iris, F1.6
	Focal Length	2.7-12mm
	Horizontal FOV	102.1° (wide), 31.5° (tele)
	Vertical FOV	70.3° (wide), 22.7° (tele)

## Common Specification

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Gen3 Engine
Zoom	Optical zoom, digital zoom 10x
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Image Rotation	90°, 180°, 270° rotation
Video Codec	
Compression	H.265/ H.264/ MJPEG
Streaming	Up to 4 individually configurable streams in H.265/ H.264/ MJPEG Configurable resolution/ frame rate/ bandwidth LBR/ VBR/ CBR in H.265/ H.264
Audio Codec	
Compression	G.711/ G.726/ AAC/ LPCM
Streaming	2 way
Audio Input	Line in
Audio Output	Line out
Network	
Interface	10/100Mbps Ethernet
Security	User Authentication/ HTTPS/ IP Filter/ IEEE 802.1x
Supported Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS
ONVIF	Profile S/ G/ T/ M conformant
System Integration	
Analytics	Motion Detection/ Tampering/ Audio detection
Event Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External output Activation Video and audio recording to edge storage File Upload : FTP, network share and email Notification : HTTP, FTP, email

General	
Casing	Metal and Plastic
Power	PoE IEEE802.3af, class 0, max 12.90 watt DC12V, max 15.24 watt AC24V, max 13.19 watt, max 25.20 VA
Connectors	RJ45
	Alarm in x2, Alarm out x1, Terminal Block
	DC12V Terminal Block
	AC24V Terminal Block
	Audio in 3.5mm Jack
	Audio out 3.5mm Jack
IR Illumination	Illumination distance: 40m
Storage	Support for microSD/ microSDHC/ microSDXC card Support for recording to NAS
Operating Conditions	-30°C~55°C without heater -55°C~55°C with heater 10%~90%, No Condensation
Storage Conditions	-20°C~70°C
Approvals	EMC CE / FCC Environment IP66, IK10
Dimensions	Ø105x234 mm
Weight	1280 g