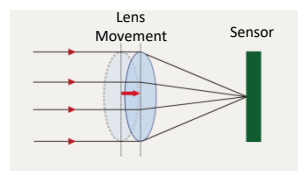


- ▶ Zoom lens/ Motorized lens available
- ▶ Auto Focus function
- ▶ HDR Engine Gen3
- ▶ Remote Zoom/ Focus/ IRIS control on AF lens
- ▶ Dual IRIS support (Auto-IRIS & P-IRIS)



## Auto Focus

S5-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 50m)
- 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<br>1/2.7" Progressive CMOS |                              |                      |
| Effective Pixels        | HxV = 2720x1976 (5M)                     |                              |                      |
| Pixel Size              | 2.0 μm                                   |                              |                      |
| Frame Rate<br>(Maximum) | H.265                                    | HDR 5M                       | @30fps + 720p @30fps |
|                         | H.264                                    | HDR 5M                       | @30fps + 720p @30fps |
|                         | MJPEG                                    | 1080p                        | @30fps               |
| Lens                    |                                          |                              |                      |
| Minimum Illumination    | Color<br>B/W                             | 0.08 lux<br>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<br>White Balance, Exposure Control<br>2DNR, 3DNR, NR by Motion<br>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<br>H.265/ H.264/ MJPEG<br>Configurable resolution/ frame rate/ bandwidth<br>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, RTSPS, HTTP, HTTPS, FTP, NTP, DDNS, LLDP, RTMP, SRTP                  |
| ONVIF               | Profile S/ G/ T/ M conformant                                                                                                                            |
| System Integration  |                                                                                                                                                          |
| Analytics           | Motion Detection/ Tampering/ Audio detection                                                                                                             |
| Event Triggers      | External Input, Analytics, Network Failure<br>Detection, Periodical Event, Manual Trigger                                                                |
| Event Actions       | External output Activation<br>Video and audio recording to edge storage<br>File Upload : FTP, network share and email<br>Notification : HTTP, FTP, email |

| General              |                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------|
| Casing               | Metal and Plastic                                                                                        |
| Power                | PoE IEEE802.3af, class 0, max 12.90 watt<br>DC12V, max 15.24 watt<br>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: 50m                                                                               |
| Storage              | Support for microSD/ microSDHC/ microSDXC card<br>Support for recording to NAS                           |
| Operating Conditions | -30°C~55°C without heater<br>-55°C~55°C with heater<br>10%~90%, No Condensation                          |
| Storage Conditions   | -20°C~70°C                                                                                               |
| Approvals            | EMC<br>CE / FCC<br>Environment<br>IP66, IK10                                                             |
| Dimensions           | Ø105x234 mm                                                                                              |
| Weight               | 1280 g                                                                                                   |

Custom Specification

| Sony 2M                 |                                    |                                |
|-------------------------|------------------------------------|--------------------------------|
| Image Sensor            | Sony 2M<br>1/2.8" Progressive CMOS |                                |
| Effective Pixels        | HxV= 1945x1097 (2M)                |                                |
| Pixel Size              | 2.9 μm                             |                                |
| Frame Rate<br>(Maximum) | H.265                              | HDR 1080p @30fps + 720p @30fps |
|                         | H.264                              | HDR 1080p @30fps + 720p @30fps |
|                         | MJPEG                              | 1080p @30fps                   |
| Lens                    |                                    |                                |
| Minimum Illumination    | Color                              | 0.02 lux                       |
|                         | B/W                                | 0.001 lux                      |
| Lens                    | Type                               | Motorized Lens, P-Iris, F1.6   |
|                         | Focal Length                       | 2.7-12mm                       |
|                         | Horizontal FOV                     | 106.3° (wide), 33.0° (tele)    |
|                         | Vertical FOV                       | 58.3° (wide), 18.6° (tele)     |

| OmniVision 5M           |                                          |                              |
|-------------------------|------------------------------------------|------------------------------|
| Image Sensor            | OmniVision 5M<br>1/2.7" Progressive CMOS |                              |
| Effective Pixels        | HxV = 2720x1976 (5M)                     |                              |
| Pixel Size              | 2.0 μm                                   |                              |
| Frame Rate<br>(Maximum) | H.265                                    | HDR 5M @30fps + 720p @30fps  |
|                         | H.264                                    | HDR 5M @30fps + 720p @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)   |

| OmniVision 4M           |                                        |                              |
|-------------------------|----------------------------------------|------------------------------|
| Image Sensor            | OmniVision 4M<br>1/3" Progressive CMOS |                              |
| Effective Pixels        | HxV = 2720x1536 (4M)                   |                              |
| Pixel Size              | 2.0 μm                                 |                              |
| Frame Rate<br>(Maximum) | H.265                                  | HDR 4M @30fps + 720p @30fps  |
|                         | H.264                                  | HDR 4M @30fps + 720p @30fps  |
|                         | MJPEG                                  | 1080p @30fps                 |
| Lens                    |                                        |                              |
| Minimum Illumination    | Color                                  | 0.141 lux                    |
|                         | B/W                                    | 0.032 lux                    |
| Lens                    | Type                                   | Motorized Lens, P-Iris, F1.6 |
|                         | Focal Length                           | 2.7-12mm                     |
|                         | Horizontal FOV                         | 99.4° (wide), 31.3° (tele)   |
|                         | Vertical FOV                           | 53.1° (wide), 17.7° (tele)   |

| Sony 5M                 |                                    |                              |
|-------------------------|------------------------------------|------------------------------|
| Image Sensor            | Sony 5M<br>1/2.8" Progressive CMOS |                              |
| Effective Pixels        | HxV= 2616x1964 (5M)                |                              |
| Pixel Size              | 2.0 μm                             |                              |
| Frame Rate<br>(Maximum) | H.265                              | HDR 5M @30fps + 720p @30fps  |
|                         | H.264                              | HDR 5M @30fps + 720p @30fps  |
|                         | MJPEG                              | 1080p @30fps                 |
| Lens                    |                                    |                              |
| Minimum Illumination    | Color                              | 0 lux                        |
|                         | B/W                                | 0.13 lux                     |
| Lens                    | Type                               | Motorized Lens, P-Iris, F1.6 |
|                         | Focal Length                       | 2.7-12mm                     |
|                         | Horizontal FOV                     | 95.54° (wide), 30.41° (tele) |
|                         | Vertical FOV                       | 69.47° (wide), 22.84° (tele) |

| OmniVision 4M           |                                          |                              |
|-------------------------|------------------------------------------|------------------------------|
| Image Sensor            | OmniVision 4M<br>1/1.8" Progressive CMOS |                              |
| Effective Pixels        | HxV = 2688x1520 (4M)                     |                              |
| Pixel Size              | 2.9 μm                                   |                              |
| Frame Rate<br>(Maximum) | H.265                                    | HDR 4M @30fps + 720p @30fps  |
|                         | H.264                                    | HDR 4M @30fps + 720p @30fps  |
|                         | MJPEG                                    | 1080p @30fps                 |
| Lens                    |                                          |                              |
| Minimum Illumination    | Color                                    | TBD lux                      |
|                         | B/W                                      | TBD lux                      |
| Lens                    | Type                                     | Motorized Lens, P-Iris, F1.5 |
|                         | Focal Length                             | 3.6-11mm                     |
|                         | Horizontal FOV                           | 108.6° (wide), 47.5° (tele)  |
|                         | Vertical FOV                             | 59.5° (wide), 26.8° (tele)   |