

ZM-Z3224-6AA



1/2.8" Sony CMOS Image sensor(Rolling shutter)
1920 × 1080
60/50 fps(TBA), 30/25 fps
Color: 0.03 Lux @ (F1.7, AGC ON), BW: 0Lux (IR LED)
Optical 10x Digital 10x
256 zoom/focus presets(TBA)
H.265 / H.264 / JPEG
HTTP RESTful API, Onvif

System

Product IP

Image Sensor

Sensor 1/2.8" Sony CMOS Image sensor(Rolling shutter)
Total pixels 2,014(H) x 1,196(V) = 2.4M Pixels
Effective pixels 1,965(H) x 1,113(V) = 2.18M Pixels
Resolution 1920 × 1080
Frame Rate 60/50 fps(TBA), 30/25 fps
Min. illumination Color: 0.03 Lux @ (F1.7, AGC ON), BW: 0Lux (IR LED)

Lens

Zoom Ratio Optical 10x Digital 10x
Focal Length f = 4.8mm ~ 40.8mm
Aperture ratio F1.7(wide) ~ F3.1(tele)
Angle Of View H : 62°(W) ~ 7.6°(T)
V : 36.4°(W) ~ 4.4°(T)
D : 69.2°(W) ~ 8.6°(T)
Min. Distance 1m(Wide), 2m(Tele)
Iris DC auto iris(TBA)
IR Cut Filter on / off

Function

Control Mode	Auto / Manual / Zoom Trigger / One Push
Presets	256 zoom/focus presets(TBA)
Day & Night	Auto, Day, Night, Ext-in
D&N Levels	10 levels (without Ext-in)
Electronic Shutter Speed	1/25(30)/1/50(60) ~ 1/5000
White Balance Modes	Auto, Manual (3 steps or more)
Exposure Modes	Auto, Shutter Priority, Manual
Gain control	Auto / Manual
WDR	Off / On(TBA)
BLC	Off / On, Area selectable
HLC	Off / On
DNR	2D&3D
Defog	Off / Low / Middle / High
DIS	Off / On(TBA)
Mirror	Off, Vertical Flip, Horizontal Flip, H+V Flip (180degree rotation)
Privacy Mask	Max 8 Zones
Motion detection	32 × 18 cell / AI motion detection(TBA)
Output Format	H.265 / H.264 / JPEG
Bitrate	512~15000 kbps

Streaming

Quadruple (x4) IP Streaming
Main Stream : up to 1920 × 1080
Second Stream : up to 1280 × 720
Third Stream : up to 640 × 480(TBA)
JPEG : 1920 × 1080

OSD

Title, Date, Resolution

Main UI

Web-based GUI

System Mode

NTSC / PAL

Recording

Video

TBD

JPEG

TBD

AI

Rule Engine / Tracker

TBD

Video analytics

TBD

Audio

Compression

G.711 ulaw

Sampling rate

8khz

Input & Output

1 Line In / 1 Line Out

Network

Interface

10BASE-T/100BASE-TX

Protocol

IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, NTP, SMTP, FTP, UPnP, HTTP, HTTPS, SSL/TLS

Security

Password protection, IP address filtering, Https encryption, brute force delay protection

control protocol

HTTP RESTful API, Onvif

General

External devices

1x Alarm input
1x Alarm output
1x D&N input(Ext-in)
1x PWM output(lighting control)
1x UART

External Storage

Micro SD

Power Supply

12V

Power consumption

Max. 3.6W

Storage Temperature

-20°C ~ +60°C (Humidity < 90%RH, Non-condensing)

Operating Temperature

-10°C ~ +50°C (Humidity < 90%RH, Non-condensing)

Dimension

47 × 47 × 64.4 (WxHxD)

Weight

155g

Certifications

NA

Dimension

