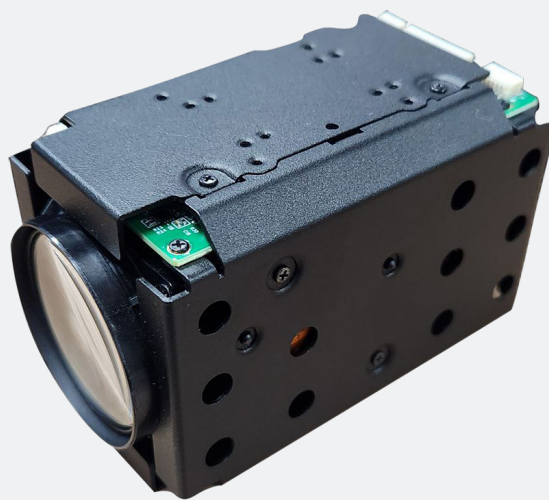# SZ-G30

1/3" Sony CMOS Image sensor(Global shutter)
2048 × 1536
60/50 fps(TBA), 30/25 fps
Color: 0.03 Lux @ (F.1.63, AGC ON), BW: 0Lux (IR LED)
Optical 30x Digital 10x
256 zoom/focus presets(TBA)
H.265 / H.264 / JPEG
HTTP RESTful API, Onvif

System

Product	IP

Image Sensor

Sensor	1/3" Sony CMOS Image sensor(Global shutter)
Total pixels	2,064(H) x 1,592(V) = 3.28M Pixels
Effective pixels	2,064(H) x 1,522(V) = 3.20M Pixels
Resolution	2048 × 1536
Frame Rate	60/50 fps(TBA), 30/25 fps
Min. illumination	Color: 0.03 Lux @ (F.1.63, AGC ON), BW: 0Lux (IR LED)

Lens

Zoom Ratio	Optical 30x Digital 10x
Focal Length	f = 4.6mm ~ 136.8mm
Aperture ratio	F1.63(wide) ~ F4.85(tele)
Angle Of View	H : 59°(W) ~ 2°(T) V : 34.6°(W) ~ 1.17°(T) D : 66.2°(W) ~ 2.36°(T)
Min. Distance	0.5m(Wide), 5m(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 Stroage	Micro SD
Power Supply	12V
Power consumption	TBD
Storage Temperature	-20°C ~ +60°C (Humidity < 90%RH, Non-condensing)
Operating Temperature	-10°C ~ +50°C (Humidity < 90%RH, Non-condensing)
Dimension	TBD
Weight	TBD
Certifications	NA

Dimension