

# Mobile & Fixed IP Camera Specifications



S31IP



D21IP



W21IP



MX12IP



S31AHD

Function Overview (Page 1 of 2)

## IP Cameras

## AHD Camera

		S31IP	D21IP	W21IP	MX12IP	S31AHD
Video	Image Sensor	Sony IMX238 1/3" CMOS	Sony IMX238 1/3" CMOS	Sony IMX238 1/3" CMOS	1/2.8" Sony IMX222	Sony EXMOR IMX225 1/3" CMOS
	Processor Minimum Illumination	Sony 0.05LUX/F1.8 (Color),	Sony 0.05LUX/F1.2 (Color),	Sony 0.05LUX/F1.2 (Color),	Sony Color 0.01/Black and white 0.01 Lux@F1.2 1080p (1920 x 1080) >650 TVL	Sony 0.0 Lux With IR On 0.001 lux with IR off 720p (1280X720), WD1 (928X480), WCIF (464X240), D1 (704x480), DVR Dependent ≥50db (AGC Off) Auto - 1/30 to 1/10,000
Video	Resolution Sync Day / Night S/N Ratio Electronic Shutter Wide Dynamic Range	1280(H) x 720(V) 50/60 Hz IR-CUT <8m ≥40db 1/30 to 1/10,000 Second Yes - Wide Dynamic Range ≥ 80db	1280(H) x 720(V) 50/60 Hz IR-CUT <8m ≥40db 1/30 to 1/10,000 Second Yes - Wide Dynamic Range ≥ 80db	1280(H) x 720(V) 50/60 Hz IR-CUT <8m ≥40db 1/25 to 1/10000 Second Yes - Wide Dynamic Range ≥ 80db	up to 50db (AGC off) 1/25 to 1/30,720 Yes - Wide Dynamic Range	720p (1280X720), WD1 (928X480), WCIF (464X240), D1 (704x480), DVR Dependent ≥50db (AGC Off) Auto - 1/30 to 1/10,000
	Image Frame Video Compression Compression Output Rate Image Resolution	1280x720 Up to 30 fps H.264 768Kbs - 7Mbps Main: 720p @ 30fps; Network Sub : VGA @25fps Record Sub: VGA@30fps	1280x720 Up to 30 fps H.264 768Kbs - 7Mbps Main: 720p @ 30fps; Network Sub : VGA @25fps Record Sub: VGA@30fps	1280x720 Up to 30 fps H.264 768Kbs - 7Mbps Main: 720p @ 30fps; Network Sub : VGA @25fps Record Sub: VGA@30fps	Up to 25 fps H.264 0.1Mbps to 8 Mbps Main: 1920 x 1080; Sub : 720 x 576 / 352 x 288	1280x720 Up to 30 fps (DVR Dependent) Analog High Definition
	Audio Compression Std CBR/VBR	ADPCM Supported	ADPCM Supported	No audio Supported		
Network	Network Port	RJ45 Female 10M/100M x 1	RJ45 Female 10M/100M x 1	RJ45 Female 10M/100M x 1	RJ45 Female 10M/100M x 1	
	Network Protocol	HTTP, TCP, ARP, RTSP, UDP, RTCP, SMTP, DHCP, DNS, DDNS, PPPoE, IPV4, UPnP, NTP	HTTP, TCP, ARP, RTSP, UDP, RTCP, SMTP, DHCP, DNS, DDNS, PPPoE, IPV4, UPnP, NTP	HTTP, TCP, ARP, RTSP, UDP, RTCP, SMTP, DHCP, DNS, DDNS, PPPoE, IPV4, UPnP, NTP	HTTP, RTSP, RTCP, SMTP, DHCP, DNS, DDNS, PPPoE	
	Configuration	Built-In WEB server	Built-In WEB server	Built-In WEB server		
Audio	Audio	Yes - Integrated mic and line driver	Yes - Integrated mic and line driver	No Audio	Integrated Mic with noise suppression or external audio input	Integrated mic and line driver
IR	IR	12 LEDs (850nm) with integrated on/off sensor	15 LEDs (850nm) with integrated on/off sensor	12 LEDs (850nm) with integrated on/off sensor		24 IR LEDs (850nm) with integrated on/off sensor.
Housing	Package	Gatekeeper's S3 camera housing	Gatekeeper's D2 camera housing	Gatekeeper's W2 camera housing	Gatekeeper's MX camera housing	Gatekeeper's S3 camera housing
Lenses	Available Lenses	2.8mm, 4.0mm, 6.0mm, and 8.0mm	2.8mm, 4.0mm, 6.0mm, and 8.0mm	2.8mm, 4.0mm, 6.0mm, and 8.0mm	3.6mm, 6.0mm, 8.0mm and 12.0mm	2.8mm, 3.6mm, 4.2mm, 6.0mm
	Aperture	Fixed Aperture F1.8	Fixed Aperture F1.8	Fixed Aperture F1.8		Fixed Aperture F1.8
Power	Voltage	POE12 (DC12V Nominal)	POE12 (DC12V Nominal)	POE12 (DC12V Nominal)	POE12 (DC12V Nominal)	DC12V Nominal
	Consumption	<2W day <4W Night	<2W day <3.5W Night	<2W day <4W Night	<2.5W	180 mA @ 12v IR On 70 mA @ 12v IR Off
Physical	Dimensions	3" high x 3.5" base diameter (8cm x 9cm)	2.3" high x 4.3" base diameter (6cm x 11cm)	2.3" high x 4.3" base diameter (6cm x 11cm)	2.625" L (6.67 cm) x 2.375" W (6.03 cm) x 2.375" H (6.03 cm)	3" high x 3.5" base diameter (8cm x 9cm)
	Weight	.5 lbs (215 g) IP65	.5 lbs (215 g) IP65	.5 lbs (215 g) IP66	.5 lbs (215 g) IP54	.84 lbs (380 g) IP65
Environmental	Operating Temperature	-40°F to +158°F (-40°C to +70°C)	-40°F to +158°F (-40°C to +70°C)	-40°F to +158°F (-40°C to +70°C)	-22°F to +122°F (-30°C to +50°C)	-40°F to +158°F (-40°C to +70°C)
	Operating RH	Under 90% non-condensing	Under 90% non-condensing	Under 90% non-condensing	Under 90% non-condensing	Under 90% non-condensing

Safety, Security and Tracking Solutions

GATEKEEPER SYSTEMS INC.

