

ICIP-D2048SL

2 Megapixel Indoor/Outdoor, Starlight IR Network Dome Camera



- 1/1.9" 2 Megapixel progressive scan CMOS
- Max 60fps@1080P
- 4 ~ 8mm varifocal motorized lens
- Smart detection / Intelligent Function
- Max. IR LEDs length 90'30m
- Micro SD memory, IP66, IK10, PoE
- 1/1 Alarm in/out, 1/1 audio in/out
- Max. IR LEDs Length 50m

System Overview

When an entry level dome camera just won't do – look no further than the ICIP-D2048SL.

Taking aim at video with low light, the iSniper Gen2 series image sensor produces unparalleled levels of image sharpness, and full vibrant color in even the lowest lighting conditions.

This sleek indoor/outdoor IP dome camera packs some serious hardware. Powered by a large 1/1.9" CMOS i-Sniper sensor, this image sensor achieves maximum light gathering capability with image sharpness levels to match. Due to the large image sensor, the camera itself is able to remain in color (Day) mode longer than typical Day/Night cameras, and display full color video with only minimal lighting. On top of the iSniper imager sits a motorized 4mm-8mm lens which provides anywhere from a 105 to 56 degree Field of View.

Typical applications for this type of camera include: Parking Lots, Warehouses, Exterior Residential, and commercial applications.

Functions

H264

Like all IC Realtime series products, this device utilizes H.264E (Enhanced H.264) compression technology, enabling crisp image viewing with the least bandwidth consumption possible. This unit adopts an embedded system design, as well as a Linux Operating System, resulting in high levels of stability, performance, and most importantly: reliability. In addition, this unit is fully operational from remote locations (Search / Playback / Backup / Configuration) over standard Ethernet networks.

IVS

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a predetermined line has been crossed, ideal for business intelligence, workforce optimization, and actionable intelligence.

WDR

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, true WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Technical Specification

Camera

Image Sensor	1/1.9" 2 Megapixel progressive scan Sony IMX185 sensor
Effective Pixels	1920 (H)×1080 (V)
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3(4) ~ 1/10000
Minimum Illumination	0.005lux@F1.65 (color); 0Lux@F1.65 (IR on)
S/N Ratio	More than 50dB
IR Distance	90/30m
IR On/Off Control	Auto/ Manual
IR LEDs	Supported

Lens

Lens Type	Motorized /Auto Iris (DC)
Mount Type	Board-in
Focal Length	4 ~ 8mm
Max. Aperture	F1.65
Angle of View	H: 105° (W)~ 56° (T)
Optical Zoom	2x
Focus Control	Auto
Close Focus Distance	0.3m

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0°~355°; Tilt:0°~65°; Rotation:0°~355°
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Intelligence

IVS	Tripwire, Intrusion, Abandoned/Missing, Scene Change, Audio detect
Advanced Intelligent Functions	Face detect, People counting, Heat map

Video

Compression	H.264 / MJPEG
Streaming Capability	3 Streams
Resolution	1080P (1920×1080) / 720P (1280×720) / D1 (704×576) / CIF (352×288)
Frame Rate	Main Stream: 1080P / 720P (1 ~ 60fps)
	Sub Stream: D1 / CIF (1 ~ 60fps)
	Third Stream: 1080P / 720P (1 ~ 30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32K ~ 8192Kbps
Day/Night	Auto (ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR (120dB)
White Balance	Auto
Gain Control	Auto / Manual
Noise Reduction	3D
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)

Electronic Image Stabilization (EIS)	N/A
Defog	N/A
Digital Zoom	16x
Flip	0° / 90° / 180° / 270°
Mirror	Off / On
Privacy Masking	Up to 4 areas

Audio

Compression	G.711a / G.711u
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Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	20 Users
Edge Storage	Micro SD card 64GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	SmartICRSS, DSS
Smart Phone	IOS, Android

Interface

Video Interface	N/A
Audio Interface	1/1 channel In/Out
RS485	N/A
Alarm	1/1 channel In/Out

Electrical

Power Supply	DC12V/AC24V, PoE (802.3af)
Power Consumption	< 12W (IR on: +2W)

Environmental

Operating Conditions	-22°F ~ 140°F/-30°C ~ 60°C; < 95% RH
Storage Conditions	-22°F ~ 140°F/-30°C ~ 60°C; < 95% RH
Ingress Protection	IP66
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	5.94"×4.69"/Φ151mm×119mm
Weight	2.76lb/1.25kg

Dimensions (mm/in)

