

# Standard 2MP IP BOX Camera



## Key Benefits

- 2MP 1/2.8" Progressive Scan CMOS
- 1920 × 1080 Full HD Video
- Up to 60fps frame rate
- 140dB WDR
- 3D DNR
- IR cut filter with auto switch
- Audio/Alarm IO
- Support 128GB on-board storage
- DC12V/AC24V/PoE

The Illustra Standard Box Camera by American Dynamics captures high quality colored images in back light environment and has several intelligent functions for high quality video surveillance. ISS02XNNNGIY offers Full HD resolution with up to 60fps high frame rate, 140dB WDR, PoE, Defog, 3D DNR and various other intelligent features to perform exceptionally in a wide variety of applications.

## Exceptional Image Quality

With a Full HD 1920 × 1080 resolution @60fps the camera produces exceptional Image quality. It supports Support H.264+/H.264/ MJPEG video compression, multi-level video quality configuration, support Basic/Main/High Profile H.264 encoding complexity.

This Box Camera has standard in-built support to 128GB Micro SD/SDHC/SDXC card storage, 10M/100M Ethernet Port, Audio I/O, dual channel stereo audio, Alarm I/O and CVBS analog output (4CIF resolution).

The Camera supports Regional Cropping of the image to save on bandwidth with details of the Region of Interest being clearly visible.

The Code Smoothness feature is supported for different requirements of image quality and fluency. In backlight situations, the camera supports 140 dB True WDR, BLC and HLC.

## ONVIF Support

The Camera supports the ONVIF (profile S & profile G) protocol, three streams and 20 channels live view at the same time, providing flexibility of Video Stream Recording, live view at different resolutions and bitrate configuration options.

## Authentication Support for Higher Security

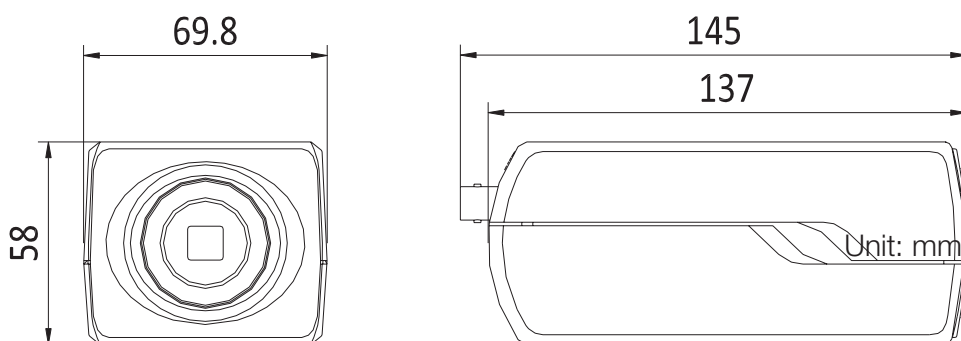
Additionally, for greater security, the Camera supports three-level user authentication—management, user and password authorization, IP address filtering and anonymous access. Other vital security features include security certificates such as HTTPS, SSH, Support Creating Certificate and the Lock User IP feature for multiple login error. Basic authentication is supportable in Web browser configuration.

## Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON) B/W: 0.0005 Lux @ (F1.2, AGC ON)
Shutter Speed	1s ~ 1/100,000s
Slow Shutter	Support
Lens Mount	C/CS mount
Auto-iris	DC drive
Day & Night	IR cut filter with auto switch
WDR	140dB True WDR
Compression Standard	
Video Compression	H.264/MJPEG
H.264 Type	Baseline Profile / Main Profile / High Profile
Video Bit Rate	Up to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image	
Max. Resolution	1920 x 1080
Frame Rate	50Hz: 50fps (1920 × 1080)/(1280 × 960)/(1280 × 720) 60Hz: 60fps (1920 × 1080)/(1280 × 960)/(1280 × 720)
Third Stream	Independent with Main Stream and Sub Stream, up to 50/60Hz: 20fps(1280 × 720)
Image Enhancement	HLC/3D DNR/ROI/Defog
Back Light Compensation	Support
Image Setting	Rotate Mode, Saturation, Brightness, Contrast adjustable by client software or web browser
Regional Cropping	Support
Day/Night Switch	Auto/Schedule/ Alarm
Network	
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict
Protocols	TCP/IP,UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard	ONVIF (Profile S, Profile G)
External Interface	
Audio	1-ch 3.5 mm audio in (Mic in/Line in)/out interface, 1 onboard Microphone
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port 1 RS-485 interface and 1 RS-232 interface
Alarm	1 input, 1 output (up to DC24V 1A or AC110V 500mA)
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, supports up to 128 GB

Audio	
Audio I/O	Support dual audio track, stereo
Audio Sampling Rate	16kHz / 32kHz / 44.1kHz / 48kHz
Intelligent Features	
Behavior Analysis	Line crossing detection, Intrusion detection, Region Entrance/Exit, Object removal
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection
General	
Operating Temperature	-30 °C – 60 °C (-22 °F – 140 °F)
Humidity	Up to 95% (non-condensing)
Power Supply	24 V AC $\pm$ 10%, 12 V DC $\pm$ 10%, PoE (802.3af)
Power Consumption	Max. 9 W
Dimensions	69.8×58×145 mm (2.75" × 2.28" × 5.71")
Weight	830 g (1.83 lbs)
Regulatory	UL, CE, FCC, RoHS

## Dimensions



## Ordering Information

Model Number	Description
ISS02XNNNGIY	2MP Network Box Camera

## About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

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