

Standard 2MP Smart Box Network Camera



Key Benefits

- 2MP resolution (1920 × 1080), H.265
- True day / night
- True WDR, up to 120dB
- 3D DNR, HLC & BLC
- Defog
- Triple streams
- Smart codec by ROI
- 2-way audio & alarm in/out
- Onboard storage
- Advanced intelligent video analytics
- Face detection / capture
- Smart non-false alarm

The Illustra 2MP Smart Box network Camera by Tyco comes with several intelligent functions in-built for high-quality video surveillance. Additionally, this HD camera comes with a rich feature-set that includes True WDR, PoE, and 3D DNR to meet a wide variety of video surveillance applications capturing high quality colored images in back light environment.

Exceptional Image Quality

With 2MP, 1920x1080 resolution @ 30fps the camera produces exceptionally high image quality. It supports H.265/H.264/MJPEG video compression, multi-level video streaming configuration, support Basic/Main/ High Profile H.265 encoding complexity.

This box camera can support up to 256 GB Micro SD/SDHC/SDXC card storage, 10M/100M Ethernet Port, Audio I/O, it supports G.711 A/U law, Alarm I/O and CVBS analog output.

Authentication Support for Higher Security

Illustra IP cameras have been designed to protect against cyber-threats. 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, Support Creating Certificate and lock user IP feature for multiple login error. Basic authentication is supportable in Web browser configuration.

ONVIF Support

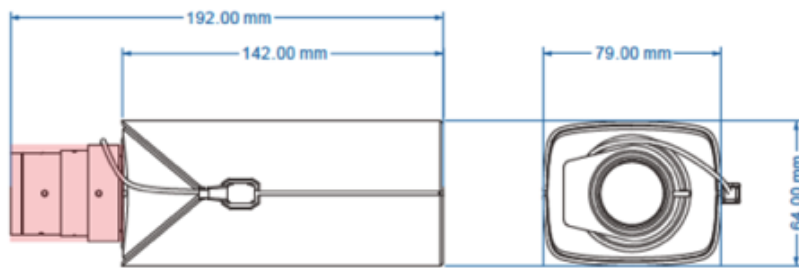
Camera supports ONVIF (Profile S, G & T) protocol, up to 3 streams providing flexibility of video stream recording, live view at different resolutions and bitrate configuration options.

Specifications

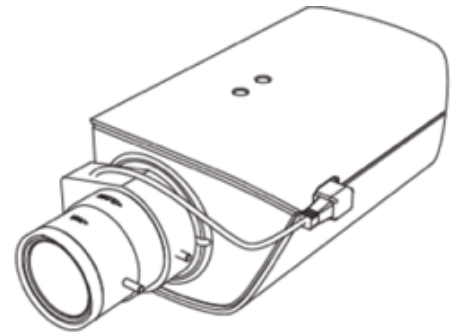
| Camera | |
|----------------------------|---|
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Effective Pixels | 1920 × 1080 |
| Min. Illumination | 0.005 Lux @ F1.2, AGC ON; 0.008 Lux @ F1.6, AGC ON |
| Shutter Speed | 1 s to 1/100,000 s |
| S/N Ratio | ≥52 dB |
| Angle Adjustment | Any Angle |
| Lens | |
| Focal Length | None |
| Iris Type | DC-Iris |
| Lens Mount | C/CS |
| Video | |
| Video Compression | H.265 / H.264 / MJPEG |
| H.264 Compression Standard | Base Line / Main Profile / High Profile |
| H.265 Compression Standard | Main Profile @ Leve4.1 High Tier |
| Resolution | 1080P (1920x1080), 720P (1280x720), D1, CIF, 480 × 240 |
| Max. Frame Rate | 30fps @ all resolution |
| Video Bit Rate | 64 Kbps - 6 Mbps |
| Multiple Streaming | Triple streams |
| Main Stream | 60Hz: 1080P(1-30fps) / 720P(1-30fps) 50Hz: 1080P(1-25fps) / 720P(1-25fps) |
| Sub Stream | 60Hz:720P/D1/CIF /480×240 (1~30fps) 50Hz:720P/D1/CIF/480×240 (1~25fps) |
| Third Stream | 60Hz: D1/CIF /480×240 (1-30fps) 50Hz: D1/CIF/480×240 (1-25fps) |
| Smart Codec | ROI, 3 zones |
| Quality Control | Five levels under VBR; Freely adjustable under CBR |
| Image Setting | time stamp, text overlay, flip & mirror, ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, white balance, video rotation, Scheduled profile settings, AGC |
| Audio | |
| Audio Communication | Bi-directional audio (2-way) |
| Audio Compression Format | G711ulaw / G711alaw |
| Audio Bit Rate | 128 Kbps |
| Operational | |
| Day & Night | IR cut filter with auto switch |
| Wide Dynamic Range | True WDR, 120dB |
| IR Distance | None |
| Digital Zoom | Yes |
| Image Features | Defog, BLC, HLC, 2D/3D DNR |
| Corridor Pattern | Yes |
| Video Privacy | 4 zones video mask |

| | | | | |
|-----------------------------|--|---|---|--|
| Intelligent Video Analytics | Perimeter Protection Line crossing, region Entering/Exiting/ Intrusion (human/motor vehicle/ non-motor vehicle classification) | Target Counting Line crossing human/ motor vehicle/non-motor vehicle counting | Exception Detection Scene change, video blur and video color cast detection | Face Detection Face detection and face capture |
| Alarm Triggers | Motion detection, Intelligent video analytics, Network disconnect, video tampering, IP address conflict, illegal login, HDD full, HDD error, Alarm input, Alarm output | | | |
| Edge Storage | Built-in micro SD card slot, up to 256 GB | | | |
| Backfilling | Supported | | | |
| Network | | | | |
| Network Protocol | TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, SMTP, FTP, SNMP, UPnP, Unicast, Multicast, ICMP, HTTP, HTTPS, DNS, DDNS, RTP, RTCP, IGMP, 802.1X, QoS, IPv4, IPv6, Bonjour, ARP | | | |
| Cyber Security | HTTPS / IP Filter / IEEE 802.1X / Blacklist & whitelist / account security / telnet access control / serial password | | | |
| Online Connection | Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission | | | |
| Remote Monitoring | Webviewer browsing, Holis Pro, Holis Lite, ExacqVision, victor | | | |
| API | ONVIF Profile (S, G & T), HAPI3, iAPI3 | | | |
| Interface | | | | |
| Network | 1 RJ45 10M/100M self-adaptive ethernet port | | | |
| Audio | Line IN × 1, Line OUT × 1 | | | |
| Video Output | CVBS video output (BNC × 1) | | | |
| Onboard Storage | Built-in micro SD/SDHC/SDXC slot | | | |
| Alarm | Alarm IN x 2, Alarm OUT x 2 | | | |
| Hardware Reset | Yes | | | |
| Environmental | | | | |
| Operating Temperature | -30°C to 60°C | | | |
| Operating Humidity | 95% or less (non-condensing) | | | |
| General | | | | |
| Power Supply | AC24V / DC12V / PoE | | | |
| Power Consumption | < 11W | | | |
| Dimensions (mm) | 142 × 79 × 64 | | | |
| Material | Metals | | | |
| Weight | ≈ 0.65 kg | | | |
| Installation | Wall mounting | | | |
| Regulatory | | | | |
| Emissions | FCC Part 15.107 Class A, FCC Part 15.109 Class A , EN 55032, EN 55035 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8) | | | |
| Immunity | EN 55030-4 | | | |
| Safety | UL 62368-1, IEC 62368-1 EN 62368-1, CAN/CSA C22.2 No. 62368-1-14, J62368-1, AS/NZA 62368.1 | | | |
| Environment | RoHS (IEC 62321-3-1, IEC 62321-5, IEC 62321-4, IEC 62321-6, IEC 62321-7, IEC 62321-7-2, IEC 62321-8), WEEE, REACH | | | |
| NDAA Compliant | Yes | | | |

Dimensions



Lens replaceable
Overall size will change.



Accessories



Ordering Information

| | Model Number | Description |
|-------------|--------------|---|
| Camera | ISV-X02N004S | H.265 2MP Box N/W Camera, C/S, Micro SD, DC12V/AC24V/PoE, Smart IVA |
| Accessories | ISBXWM01 | Wall mount bracket for STD Box Camera |

Approvals



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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