

# Standard 4MP Motorized V/F IR Smart Starlight Bullet Network Camera



## Key Features

- 4MP resolution (2560 × 1440), H.265
- 30fps@4MP, 60fps@2MP
- True day / night
- Up to 70m IR distance with Smart IR
- Auto focus by motorized V/F lens
- True WDR, up to 120dB
- 3D DNR, HLC & BLC
- Defog
- Triple streams
- Smart codec by ROI
- 2-way audio & alarm in/out
- Onboard storage
- PoE power supply
- Advanced intelligent video analytics
- Facial Recognition/Identification
- Smart non-false alarm
- IP67 / IK10

The Illustra 4MP Smart Starlight Bullet network Camera by Tyco provides improved low light video performance. It provides clear and relevant images regardless of lighting conditions, time-of-day or object movement. Combined with built-in video intelligence, starlight cameras can deliver detailed monochrome images where other cameras show no image at all.

Additionally, this camera comes with a rich feature-set that includes True WDR, PoE, and 3D DNR to meet a wide variety of video surveillance applications.

## Exceptional Image Quality

With 4MP @ 30fps / 2MP @ 60fps the camera produces exceptionally high Image quality and resolution. 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 128 GB Micro SD/SDHC/SDXC card storage, 10M/100M Ethernet Port, Audio I/O, dual channel stereo audio, 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, SSH, 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.

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Effective Pixels	2560 × 1440
Min. Illumination	0.005 Lux @ F1.2, AGC ON; 0.008 Lux @ F1.6, AGC ON; 0 Lux with IR
Shutter Speed	1 s to 1/100,000 s
S/N Ratio	≥52 dB
Angle Adjustment	Any angle
Lens	
Focal Length	2.8 – 12 mm, motorized varifocal zoom lens, auto focus
Iris Type	P-Iris
Field of View (H/V)	96° / 64°
Lens Mount	Φ 14
Video	
Video Compression	H.265 / H.264 / MJPEG
H.264 Compression Standard	Base Line / Main Profile / High Profile
H.265 Compression Standard	Main Profile @ Level 4.1 High Tier
Resolution	4MP(2560×1440), 3MP(2304×1296), 1080P(1920×1080), 720P(1280×720), D1, CIF, 480 × 240
Max. Frame Rate	30fps @ all resolution, 60fps @ 1080P
Video Bit Rate	128 Kbps – 10 Mbps
Multiple Streaming	Triple streams
Main Stream	60Hz : 4MP(1-30fps) / 3MP(1-30fps) / 1080P(1-60fps) / 720P(1-30fps) 50Hz : 4MP(1-30fps) / 3MP(1-30fps) / 1080P(1-50fps) / 720P(1-25fps)
Sub Stream	60Hz : 1080P / 720P / D1 / CIF / 480×240 (1-30fps) 50Hz : 1080P / 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	Up to 70M
Digital Zoom	Yes
Image Features	Defog, BLC, HLC, 2D/3D DNR
Corridor Pattern	Yes
Video Privacy	4 zones video mask

	Perimeter Protection	Target Counting	Exception Detection	Face Detection	Facial Recognition
Intelligent Video Analytics	Line crossing, region Entering/Exiting/Intrusion (human/motor vehicle/ non-motor vehicle classification)	Line crossing human/motor vehicle/non-motor vehicle counting	Scene change, video blur and video color cast detection	Face detection and face capture	Facial Recognition / Identification
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 128GB				
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 1, Alarm OUT x 1				
Hardware Reset	Yes				
Environmental					
Operating Temperature	- 30 °C to 60 °C				
Operating Humidity	10 % to 90 % relative humidity				
Ingress Protection	IP67				
Vandal Resistance	IK10				
General					
Power Supply	AC24V / DC12V / PoE				
Power Consumption	< 12W				
Dimensions ( mm )	278.7 × 95.9 × 94.4				
Material	Metals				
Weight	≈ 1.150 kg				
Installation	Wall mounting, ceiling mounting				
Certification	CE, FCC, UL, BIS				
NDAA Compliant	Yes				

## Accessories

ISSTBCB01	ISSTBBB01	ISSTBCB01+ISSTBPD01	ISSTBCB01+ISSTBP01	ISSTBCB01+ISSTBCM01
Conduit Box for Standard IR Bullet	Backbox for Standard IR Bullet	Pendant mount with conduit box for Standard IR Bullet	Pole mount with conduit box for Standard IR Bullet	Corner mount with conduit box for Standard IR Bullet

	Model Number	Description
Camera	ISV-B04M015S-N	H.265 4MP Motorized V/F IR Bullet N/W Camera, 1/1.8" CMOS, 2.8-12mm, 70M IR, Micro SD, DC12V/AC24V/PoE, IP67/IK10, Smart IVA, Facial Recognition/Identification

## 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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