tyco | **Illustra**

Data Sheet

MAKE IN INDIA

Illustra Standard Gen3
2MP Motorized V/F IR Bullet N/W Camera

Key Benefits

- 2MP Resolution (1920 X 1080), H.265
- 60fps@2MP
- True day / night
- Up to 70m IR distance with Smart IR
- One Touch Auto-Focus by Motorized V/F Lens
- True WDR, up to 120dB
- 3D DNR
- Triple streams
- Smart codec by ROI
- 2-way Audio with built-in MIC & Alarm IN/OUT
- On-board Encrypted Storage
- Advanced Intelligent Video Analytics with AI Object Classification
- IP67 / IK10

The Illustra 2MP Motorized V/F IR Smart Bullet Camera by Tyco comes with several intelligent functions in-built for high-quality video surveillance. 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 capturing high quality colored images in back light environment.

Exceptional Image Quality

With 2MP, 1920 × 1080 resolution @ 60fps 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 bullet camera can support up to 1TB Micro SD/SDHC/SDXC card storage, 10M/100M Ethernet Port, Audio I/O, it supports G.711 U law, Alarm I/O and CVBS analog output.

Safeguard Against Cyber Attacks Across Devices

Illustra Standard Cameras have been designed to be resilient against cyber-threats. Our products are gated, analyzed, tested and required to meet or exceed the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program for every consecutive release. This holistic approach is aimed at providing peace of mind to our customers. Our

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security mindset begins at initial design concept and is supported through deployment, including a rapid incident response to meet the comprehensive and evolving cybersecurity environments.

ONVIF Support

Camera supports ONVIF S, G, T & M 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 Sensor
Effective Pixels	1920 × 1080
Min. Illumination	Color 0.005Lux @ 1/4, F1.6, 50IRE, AGC ON; B/W 0.002Lux @ 1/4, F1.6, 50IRE, AGC ON; 0Lux with IR ON
Shutter Speed	1/4s to 1/32000s
S/N Ratio	≥52 dB AGC ON
Memory Capacity	1GB RAM and 512MB Flash
Lens	
Focal Length	2.7mm to 13.5mm
Iris Type	DC-Iris
Video	
Video Compression	H.265 / H.265 intellizip / H.264 / H.264 intellizip / MJPEG
Resolution with aspect ratio	1920 x 1080, 1664 x 936, 1280 x 720, 1024 x 576, 960 x 544, 816 x 464, 640 x 360, 480 x 272 @ 16:9
Max. Frame Rate	30fps @ all resolution (up to 60 fps with TWDR off)
Multiple Streaming	Triple streams
Main Stream (H.265/H.264/MJPEG)	1920 x 1080 / 1664 x 936 / 1280 x 720 (1 - 60/50fps)
Sub Stream (H.265/H.264/MJPEG)	1280x720/1024x576/960x544/816x464/640x360/480x272 (1 - 30/25fps)
Third Stream (MJPEG)	704 X 576 (15fps)*
Quality Control	VBR, CBR & CVBR supported
Image Setting	time stamp, text overlay, flip & mirror, ROI, Saturation, Brightness, Contrast, Wide Dynamic, Sharpen, white balance, video rotation, AGC etc.
EIS	Yes*
Slow Shutter	Yes
Audio	
Audio Communication	Bi-directional audio (2-way), 1IN/1OUT
Audio Compression Format	G711ulaw
Audio Noise Reduction	Supported
Operational	
Day & Night	True Day Night (TDN) with automatic removable cut filter
Wide Dynamic Range	True WDR, 120dB
IR Distance	Up to 70m
Image Features	Defog*, Multiple Exposure Method, 2D/3D DNR

Corridor Pattern	Supported
Video Privacy	8 zones video mask
AI Object Analytics	Object Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class Trigger Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned / Removed, Enter, Exit, Crowd, Queue Object Sub-Classes: Person Clothing Colour, Vehicle Colour
AI Tamper Detection	Blackout, Whiteout, Scene Change (FoV tamper)
Alarm Triggers	Motion detection, AI video analytics, Blur and Tamper Ai, Alarm input
AI Blur Detection	Supported
Event Triggers	FTP Upload, CIFS, SMTP, Snapshots, SD Card Record, SIP Call, Audio clip playback
Motion Detection Zones	3 Zones
Edge Storage	Built-in micro SD card slot, up to 1TB (Encrypted Storage)

Network	
Record Triggers	Motion detection, AI video analytics, Blur and Tamper AI, Alarm input
Recording Format	MP4
Network Protocol	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, TLS, RTSP, ICMP, Unicast, Multicast, NTP, SMTP, WS-Security, SNMP, CIFS, SFTP, UPnP™, SIP
Pre-Alarm Recording	Supported
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
API	ONVIF Profile S, G, T & M
Cyber Security	Secure Boot, Enhanced Security Mode (forces complex passwords, HTTPS and disables discovery); TLS 1.2 (256 bit cipher minimum); Security Overview Page (status and configuration); RTSP Authentication; IEEE 802.1X Client; Remote Accessible Audit logs; Role-Based Access Control, Video Encryption for local storage and streaming
Web Browser Supported	MS Edge, Firefox, Safari, Chrome

Interface	
Network	1 RJ45 10M/100M self-adaptive ethernet port
Audio	Internal MIC x1, Line IN × 1, Line OUT × 1
Video Output	CVBS video output (BNC × 1)
Alarm	Alarm IN x 1, Alarm OUT x 1
Hardware Reset & Factory Reset Button	Yes

Environmental	
Power Supply	PoE & 12VDC, support power supply failover
Operating Temperature	-40°C to 60 °C
Operating Humidity	0% ~ 95% relative humidity
Ingress Protection	IP67
Vandal Resistance	IK10
Anti-corrosion Protection	NEMA 4X as per NEMA 250:2014

Regulatory	
Certification	CE, FCC, UL & BIS

* Future Release with Firmware Upgrade

Ordering Information

	Model Number	Description
Bullet Camera	ISIN-B02M031-N	H.265 2MP Motorized V/F IR Bullet N/W Camera, 2.7-13.5mm, 70M IR, Micro SD, DC12V/PoE, IP67/IK10, Smart IVA

Approvals

Accessories

Accessory Type	Image	Model Number	Description	Dimensions	Color
Pole Mount Adapter		ADCDMPOLE	For use with Pendant Cap and Gooseneck Arm, or directly to the camera back plate	Wraps around pole	RAL 9003
Outside Corner Mount Adapter		ADCDMCRNRO	For use with Pendant Cap and Gooseneck Arm, or directly to the camera back plate	5.18 x 7.58 in (131.5 x 192.5 mm)	RAL 9003

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.

For additional information, please visit www.tycosecurityproducts.in or follow Illustra on LinkedIn, Twitter, and Facebook.

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