tyco | Illustra

Data Sheet

Standard
2MP Dome Network Camera

Key Benefits

- 2 MP (1920x1080), H.265
- 30fps@2MP
- WDR, up to 120 dB
- 3D DNR, HLC & BLC
- Defog
- Triple streams
- Slow Shutter
- Audio & Alarm in/out
- Onboard storage support upto 256GB
- Pre - Post Alarm support
- PoE power supply
- Intelligent video analytics
- Unicast and Multicast support
- ONVIF Profile S, G, T support

The Illustra standard 2MP Dome network Camera by Tyco provides improved ultra-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, cameras can deliver detailed monochrome images where other cameras show no image at all.

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

Exceptional Image Quality

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

This dome camera can support up to 256 GB Micro SD/SDHC/SDXC card storage, 10M/100M Ethernet Port, Audio I/O and Alarm I/O.

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Built-in Intelligence

With a host of intelligent features and functions, the camera makes video surveillance easy for security professionals. Intelligent Detection includes comprehensive features such as Line crossing detection,

Intrusion detection, Region entrance, Region exiting, Un-attended baggage, Object removal & face detection.

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	1920x1080
Min. Illumination	Colour: 0.005 Lux @ F1.6, AGC ON;50 IRE B/W: 0.008 Lux @ F1.6, AGC ON;50 IRE 0 Lux IR On
Shutter Speed	1/25s - 1/100,000
S/N Ratio	≥65db (AGC OFF)
Lens	
Focal Length	Motorized 2.7~13.5mm
Focus Control	Auto/Manual
Field of View	H99°~H31°/ D124°~D38°/V72°~V23°
Iris Control	Auto/Manual
Video / Audio Encoding	
Video Compression	H.265/H.264/MJPEG
Max Resolution	Primary Stream: 30fps @1920x1080 Secondary Stream: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 3rd Stream: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)
Video bit rate	Constant bit rate, variable bit rate (16kbps-16Mbps)
Audio compression	G.711-ULaw, G.711-ALaw
Audio bit rate	8 - 128kbps
Audio control	Support input/ output volume control/ Audio detection using Mic
Audio Noise Reduction	ON/OFF
Image Setting	Date/Time Stamp, Text Overlay, Channel Title, Time stamp, Flip & mirror, ROI, Brightness, Contrast, Saturation, Sharpness, Hue, white balance, Scheduled profile settings, AGC Brightness/ Contrast/ Saturation/ Sharpness
Intelligent Analytics	
Privacy Masking	24 Zones
Motion Detection	Supported
Tampering Detection	Supported
Smart Analytics	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, People Counting, Object Left, Object Removed, Heat map
Event Trigger	FTP Upload, SMTP Upload, Snapshots, SD Card Record, SIP Phone, HTTP Notification, Alarm etc.
Event linkage	Network disconnect, storage exception
Operational	
Day/ Night Mode	ICR switch, Auto, Day, Night
Wide Dynamic Range	120 dB
IR distance	Up to 50m
Slow Shutter	Off/ON

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EIS (Electronic Image Stabilisation) Gyro Sensor	Supported
Image Features	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC High, Higher, Medium, Lower, Low, OFF, ON, Anti-flicker, Corridor Mode, Deblur, Watermark
Corridor Pattern	Supported
ROI Zones	8 mask areas

Network	
Network Protocol	IPv4/IPv6, ARP, TCP/IP, TLS, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL
Network Storage	NAS (Support NFS, SMB/CIFS), FTP
SIP/VoIP Support	Yes, Voice & Video-over-IP
Streaming	Unicast,Multicast, Upto 10 users
General Function	ONVIF Profile (S, G & T), API

Interface	
Network	1 RJ45 10M/100M Ethernet port
Audio	1 Audio Input; 1 Audio Output; Inbuilt Mic. with noise reduction and audio detection, Two way Audio Support
Alarm	1 Alarm input; 1 Alarm output
Onboard Storage	Support Max 256GB, Micro SD SDHC /SDXC card local storage

General	
Operating Conditions	-40 °C ~ 60 °C; Humidity 95% or less (non-condensing)
Storage Temperature	-50 °C ~ 70 °C
Power Supply	PoE (802.3af) / DC 12V±10%
Power Consumption	Max 5W , 9W MAX(With IR on)
Ingress protection	Up to IP67-rated for weather-resistant performance
Vandal protection	Vandal-proof IK10-rated metal housing
Dimension & Weight	⌀143mmX108.4mm, 1100gm
Product Certification	Safety: CE, FCC, EN:60950-1, IS-13252 (Part 1):2010, BIS Registered, IEC 60950-1:2005 Immunity: CE,FCC

Ordering Information

	Model Number	Description
Camera	ISIN-V02M031-N-V1	H.265, 1/2.8" CMOS, 2MP Motorized Dome, 2.7-13.5mm, 50m IR, 120dB WDR, IVA, 256GB SD Card support, IP67/IK10

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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