*tyco* | Cloud

# Simplify Security with Illustra Cloud Cameras



Johnson Controls

## Simplify Security with Tyco Cloud

Introducing Tyco Cloud, a cloud-based physical security management suite from Johnson Controls developed for video surveillance, access control, intelligence, and integration services on an open and modern microservices architecture. Tyco Cloud provides the cost-efficiency of software as a service (SaaS) with the simplicity of secure cloud connected hardware.

Since its inception, Tyco Cloud has helped customers store and manage over 25 billion minutes of video surveillance in the cloud and is available in 140 countries and 50+ data centers worldwide and growing.

# Illustra Cloud Cameras
# 3MP & 8MP Mini-Domes



### Key Features

- Stores video in the camera, in the cloud, or both as needed
- Integrates with Tyco Cloud video management software
- Cold storage for costeffective and secure video archiving
- IK10-rated vandal resistance and IP68-rated protection against dust and water damage
- P-iris for image clarity in changing light conditions
- Motion detection for instant intruder alerts

Tyco Cloud lets businesses easily scale and streamline security operations by moving costly and complex system infrastructure to the cloud for simplified management.

### Simplify Surveillance in the Cloud

Reduce complex surveillance installation and video management costs with Illustra Cloud Cameras. This flexible alternative to traditional IP cameras provides the option for storing video on-site, in the cloud, or both. The easy to use interface can be accessed from a web-based platform or mobile device and activated in minutes, maximizing uptime and accelerating training. These cameras are ideal for a variety of industries ranging from building management and finance to retail, education, and smart cities.

### High-Quality, Versatile Video Streaming to the Cloud

The powerful Illustra Cloud Mini-Dome Cameras are designed to offer a high-image quality, feature rich surveillance option for a wide range of applications. The increased amount of pixels per foot on the 8MP model improves image detail in wide areas such as loading docks

and airport terminals. Also, the Mini-Domes feature built-in IR illuminators to produce clear images at an effective distance in a variety of low light conditions. Deployments that strive for a combination of high-resolution and high-performance at a competitive price point, all while simplifying installation and configuration stand to benefit the most from the these Illustra Cloud Cameras.

## Enhance Visibility with Efficient Management Tools

Time-saving, productivity-boosting tools are uniquely bundled into Tyco Cloud Camera video management software. View and scan through 24 hours of recorded video and events from up to 100 cameras at the same time in only 60 seconds with Hyper View. Supervise user roles and permissions, system support, services, and troubleshooting from the centralized Enterprise Manager. This feature includes SMS alerts and a map view for quickly addressing issues remotely.
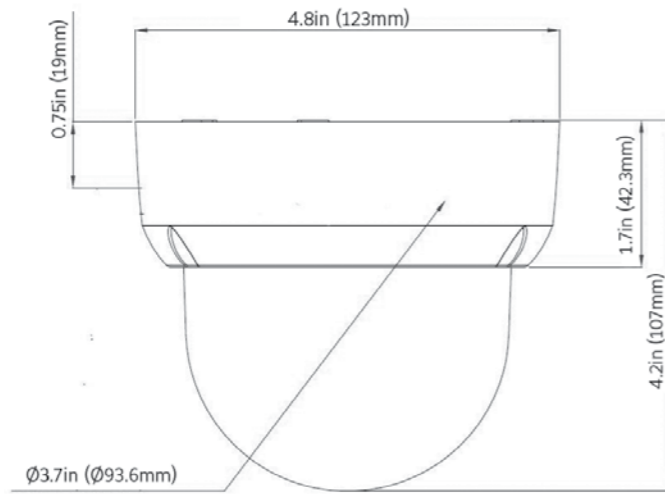
## Safeguard Against Cyber Attacks Across Devices

Illustra Cloud Cameras have been designed to be resilient against cyber-threats. Our Cloud 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 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.

# Specifications

| Operational | 3MP | 8MP |
|---|---|---|
| Video Compression | H.264 / H.265 / MJPEG | |
| Max Frame Rate | 3MP @ 30 fps | 8MP @ 15 fps |
| Resolution & Aspect Ratio | 2048x1536 (QXGA) 4:3<br>1920x1080 (1080p) 16:9<br>1664x936 16:9<br>1280x720 (720p) 16:9<br>1024x576 (PAL+) 16:9<br>640x360 (nHD) 16:9<br>480x360 (480) 16:9<br>384x288 4:3 | 3840x2160 (4K) 16:9<br>3264x1840 16:9<br>2592x1944 4:3<br>2688x1520 16:9<br>2048x1536 (QXGA) 4:3<br>1920x1080 (1080p) 16:9<br>1280x960 (SXGA-) 4:3<br>1280x720 (720p) 16:9<br>800x600 (SVGA) 4:3<br>640x480 (640VGA) 4:3<br>640x360 (nHD) 16:9 |
| Video Streams | Triple Streaming with a Maximum of 5 Concurrent Streams | |
| Imager | Progress Scan RGB CMOS 1/2.8" | Progress Scan RGB CMOS 1/2.5" |
| Image Orientation Settings | Flip, Mirror | |
| Lens Type | Motorized Varifocal and Focus, P-iris control, IR corrective | |
| Focus Control | Motorized, Auto Focus | |
| Focal Length | 2.8-12mm | 3.4-9mm |
| Field of View Wide (H/V) | 98°/71° | 104°/56° |
| Field of View Telephoto (H/V) | 35°/26° | 42°/24° |
| Aperture | F/1.4 (W)<br>F/2.7 (T) | F/1.5 (W)<br>F/2.9 (T) |
| Minimum Illumination | | |
| Color, 1/4s, 30 IRE, AGC | 0.03 Lux | 0.03 Lux |
| B/W, 1/4s, 30 IRE, AGC | 0.001 Lux | 0.0003 Lux |
| w/ IR | 0.0 Lux | 0.0 Lux |
| IR Distance | 82ft (25m) | |

| Dynamic Range | Triple Exposure, True WDR 120 dB Technologies | Triple Exposure, True WDR 100 dB Technologies |
|---|---|---|
| Day/Night | True Day/Night with ICR | |
| Shutter Speed | 1/4 - 1/10,000 sec | |
| ONVIF-Compliant | Profile 2 | |
| Motion Detection Zones | 3 | |
| Alarms I/O | 1/1 | |
| Analog Video Output | Yes | |
| Audio | 1/1 | |
| Simultaneous Users | 5 | |
| Languages | English, French, Italian, German, Spanish | |

| **Network** | | |
|---|---|---|
| Ethernet Interface | IEEE 802.3, 10/100Base-T Ethernet, Female RJ45, Auto-Negotiation | |
| Supported Protocols | TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTCP, RTSP, TLS, Unicast, Multicast, NTP, ICMP, IGMP, SMTP, WS-Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WSAddressing, CIFS, SNMP, UPNP, RTSP, LLDP | |

| **Configuration Management** | | |
|---|---|---|
| Web Browsers | Internet Explorer 8.0 or above, Firefox, Safari, Chrome | |
| Security | TLS - RFC5246 v1.2, HTTPS (HTTP over TLS) - RFC2818, WS-Security, Certificate Management, Multi-Level Password Protection, IP Address, Filtering, HTTPS Encryption, One-Click Security Hardening, User Access Log, Validate Complex Credentials, Disabling Unused Protocols, IEEE, 802.1x Including: PEAP, EAP-TLS, EAPoL | |

| **Onboard Storage** | | |
|---|---|---|
| Card Support | Western Digital Purple SD with Realtime Health Monitoring | |
| Pre-Alarm Recording | 10 seconds | |
| Recording Format | MKV (encrypted) | |
| Playback | Via Tyco Cloud website or mobile app | |
| Recording Trigger | Motion detection or recording schedule | |
| Scheduled Uploading | Yes | |

| **Cloud Storage** | | |
|---|---|---|
| Scheduled/24x7 | Record to cloud on any schedule at any resolution or bitrate | |
| Motion Only | Record to cloud only when motion is detected | |
| Bookmarks Only | Record to cloud only bookmarked video and share securely | |
| Cold Storage | Cost effective recording of archival video 6 months or longer | |

| **Electrical** | | |
|---|---|---|
| Power Input | Power over Ethernet (PoE) IEEE 802.3af Type 1 Class 3; 24 VAC | |
| Power Draw | 12W | |

| **Physical** | | |
|---|---|---|
| Dimensions (RxH) | Ø4.8 x 4.2 in (Ø123 x 107 mm) | |
| Housing Color | 2.14lbs (0.97kg) | |
| Operating Temperature | -58°F to 122°F (-50°C to 50°C)<br>Extended Temperature: 140°F (60°C) for 5 hours a day with IR illuminators OFF[1] | |
| Humidity | Up to 90% non-condensing | |
| Vandal Resistant | IK10 | |
| Outdoor Rating | IP67 | |

| **Regulatory** | | |
|---|---|---|
| Safety | EN60950-1; CAN/CSA-C22.2 No. 60950-1 | |
| Emissions | FCC Part 15 Class A; EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A | |
| Immunity | EN55024, EN50130-4 | |
| Enviornment | RoHS; WEEE | |

Johnson Controls

## Ordering Information

| Model | Description |
|---|---|
| TCCFS03D02XXX | 3MP Indoor/Outdoor Dome IR 2.8-12mm. 32GB-512GB Internal Storage |
| TCCFS08D04XXX | 8MP Indoor/Outdoor Dome IR 3.4-9mm. 32GB-512GB Internal Storage |

## Accessories

| Model | Description |
|---|---|
| IFDRECMNT | Recessed Mount for Flex Mini-Domes (IFXX Series) |
| IFMDBWSMK | Illustra Flex Mini-Dome Smoked Vandal Bubble Assembly |
| ADCI6MPCAPIW | Illustra compact mini-dome pendant cap, white, ¾" NPT |
| ADLOMARM | Gooseneck Arm (White) |
| ADCDMCRNRO | Outside Corner Mount Adaptor (White) |
| ADCDMPOLE | Pole Mount Adaptor (White) |

## Accessories

| Accessory Type | Image | Model Number | Description | Dimensions | Color |
|---|---|---|---|---|---|
| Mount |  | IFDRECMNT | Mini-Dome recessed mount | Ø7.76 x 1.61 in (Ø197 x 41 mm) | RAL 9003 Signal White |
| Bubble |  | IFMDBWSMK | Smoked bubble for use with Flex Mini-Domes | Ø4.8 x 4.2 in (Ø123 x 107 mm) | RAL 9003 Signal White (Trim) |
| Pendant Cap |  | ADCI6MPCAPIW | Pendant Cap: Indoor/Outdoor, White/Black | Ø5.8 x 2.2 x 5.8 in (Ø148 x 55 x 147.4 mm) | RAL 9003 Signal White RAL 9017 Traffic Black |
| Gooseneck Arm |  | ADLOMARM | For use with Pendant Cap | 4.4 x 8.78 x 4.4 in (112.5 x 222.9 x 112.5 mm) | RAL 9003 Signal White RAL 9017 Traffic Black |
| 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 Signal White |
| Pole Mount Adapter |  | ADCDMPOLE | For use with Pendant Cap and Gooseneck Arm, or directly to the camera back plate. | Wraps around pole | RAL 9003 Signal White |

*tyco*

## Illustra Cloud Cameras
## 3MP Bullet







# 3MP Bullet

### Key Features

- Stores video in the camera, in the cloud, or both as needed
- Integrates with Tyco Cloud video management software
- Cold storage for cost-effective and secure video archiving
- IK10-rated vandal resistance and IP68-rated protection against dust and water damage
- P-iris for image clarity in changing light conditions
- Motion detection for instant intruder alerts

Tyco Cloud lets businesses easily scale and streamline security operations by moving costly and complex system infrastructure to the cloud for simplified management.

#### Simplify Surveillance in the Cloud

Reduce complex surveillance installation and video management costs with Illustra Cloud Cameras. This flexible alternative to traditional IP cameras provides the option for storing video on-site, in the cloud, or both. The easy to use interface can be accessed from a web-based platform or mobile device and activated in minutes, maximizing uptime and accelerating training. These cameras are ideal for a variety of industries ranging from building management and finance to retail, education, and smart cities.

#### A Tough Exterior with Cloud Capabilities

Solid yet affordable, the Illustra Cloud 3MP Bullet Camera is ideal for both interior and exterior applications that require a vandal- and weather-resistant option. The Cloud

**Johnson Controls**

Bullet Camera comes complete with built-in IR illuminators for clear video images in extreme low light or zero illumination conditions providing crisp, clear video quality both day and night.

## Enhance Visibility with Efficient Management Tools

Time-saving, productivity-boosting tools are uniquely bundled into Tyco Cloud Camera video management software. View and scan through 24 hours of recorded video and events from up to 100 cameras at the same time in only 60 seconds with Hyper View. Supervise user roles and permissions, system support, services, and troubleshooting from the centralized Enterprise Manager. This feature includes SMS alerts and a map view for quickly addressing issues remotely.
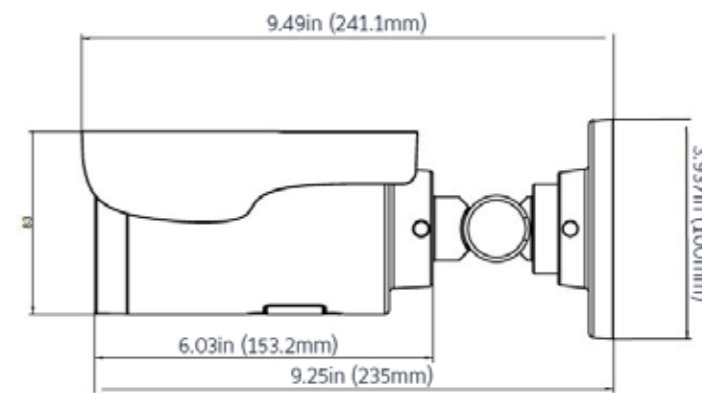
## Safeguard Against Cyber Attacks Across Devices

Illustra Cloud Cameras have been designed to be resilient against cyber-threats. Our Cloud 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 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.
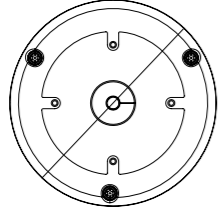
# Specifications

| Operational | |
|---|---|
| Video Compression | H.264 / H.265 / MJPEG |
| Max Frame Rate | 30ips @ 3MP, 60ips @ 1080p |
| Resolution & Aspect Ratio | 2048x1536 (QXGA) 4:3     1024x576 (PAL+) 16:9<br>1920x1080 (1080p) 16:9     640x360 (nHD) 16:9<br>1664x936 16:9     480x360 (480) 4:3<br>1280x720 (720p) 16:9     384x288 4:3 |
| Video Streams | Progressive Scan RGB 1/2.8" CMOS |
| Imager | Triple Streams |
| Image Orientation Settings | Flip and Mirror |
| Lens Type | Motorized Varifocal and Focus, P-iris control, IR corrective |
| Focus Control | Motorized |
| Focal Length | 2.8-12mm |
| Field of View Wide (H/V) | 98°/71° |
| Field of View Telephoto (H/V) | 35°/26° |
| Aperture | F/1.4 (W)<br>F/2.7 (T) |
| Minimum Illumination | |
|   Color, 1/4s, 30 IRE, AGC | 0.03 Lux |
|   B/W, 1/4s, 30 IRE, AGC | 0.001 Lux |
|   w/ IR | 0.0 Lux |
| IR Distance | 82ft (25m) |
| Dynamic Range | Triple Exposure, True WDR 120 dB Technologies |
| Day/Night | True Day/Night with ICR |
| Shutter Speed | 1/4-1/10000 |
| ONVIF-Compliant | Profile S |
| Motion Detection Zones | 3 |
| Analog Video Output | Yes |
| Audio | 1/1 |
| Simultaneous Users | 5 |
| Languages | English, French, Italian, German, Spanish |

| Network | |
|---|---|
| Ethernet Interface | 10/100Base-T, RJ-45 |
| Supported Protocols | TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTCP, TLS, Unicast, Multicast, NTP, SMTP, WS-Security, IEEE 802.1x, PEAP, SSH, HTTPS, SOAP, WS-Addressing, CIFS, SNMP, UPNP, RTSP, LLDP |

| Configuration Management | |
|---|---|
| Web Browsers | IE9 and above, Firefox, Chrome, Safari |
| Security | Multiple user access levels, IP address filtering, user access log, IEEE 802.1x |

| Onboard Storage | |
|---|---|
| Card Support | Western Digital Purple SD with Realtime Health Monitoring |
| Pre-Alarm Recording | 10 seconds |
| Recording Format | MKV (encrypted) |
| Playback | Via Tyco Cloud website or mobile app |
| Recording Trigger | Motion detection or recording schedule |
| Scheduled Uploading | Yes |

| Cloud Storage | |
|---|---|
| Scheduled/24x7 | Record to cloud on any schedule at any resolution or bitrate |
| Motion Only | Record to cloud only when motion is detected |
| Bookmarks Only | Record to cloud only bookmarked video and share securely |
| Cold Storage | Cost effective recording of archival video 6 months or longer |

| Electrical | |
|---|---|
| Power Input | Power over Ethernet (PoE) IEEE 802.2af Type 1 Class 3; 24 VAC |
| Power Draw | 15W |

| Physical | |
|---|---|
| Dimensions (RxH) | Ø3.05 x 9.25 in (Ø77.5 x 235 mm) |
| Weight | 2.65lbs (1.2kg) |
| Housing Color | Signal White Pantone RAL 9003 |
| Operating Temperature | -40ºF to 122ºF (-40ºC to 50ºC) |
| Humidity | Up to 90% non-condensing |
| Vandal Resistant | IK10 |
| Outdoor Rating | IP68 |

| Regulatory | |
|---|---|
| Safety | EN60950-1; IEC60950-1; CSA 22.2 No. 60950 |
| Emissions | FCC Part 15 Class A; EN55032 Class A; AS/NZS; CISPR 32 Class A; ICES-003/NMB-003 Class A |
| Immunity | EN55024, EN50130-4 |
| Enviornment | RoHS; WEEE |



9.49in (241.1mm)

3.937in (100mm)

6.03in (153.2mm)

9.25in (235mm)

## Accessories

| Accessory Type | Image | Model Number | Description | Dimensions | Color |
|---|---|---|---|---|---|
| Mount |  | IFBMNTBOX | Mounting adapter for connecting bullet camera to wall. | Ø6 x 2.5 in (Ø147 x 60 mm) | RAL 9003 Signal White |

## Ordering Information

| Model | Description |
|---|---|
| TCCFS03B03XXX | 3MP Indoor/Outdoor Bullet IR 2.8-12mm. 32GB-512GB Internal Storage |

## Accessories

| Model | Description |
|---|---|
| IFBMNTBOX | Flex Bullet Mounting Box (IFXX Series) |

# 3MP Compact Mini-Dome

# Illustra Cloud Cameras
# 3MP Compact Mini-Dome



## Key Features

- Stores video in the camera, in the cloud, or both as needed
- Integrates with Tyco Cloud video management software
- Cold storage for costeffective and secure video archiving
- IK10-rated vandal resistance and IP67-rated protection against dust and water damage
- P-iris for image clarity in changing light conditions
- Motion detection for instant intruder alerts

Tyco Cloud lets businesses easily scale and streamline security operations by moving costly and complex system infrastructure to the cloud for simplified management.

### Simplify Surveillance in the Cloud

Tyco Cloud lets businesses easily scale and streamline security operations by moving costly and complex system infrastructure to the cloud for simplified management. Reduce complex surveillance installation and video management costs with Illustra Cloud Cameras. This flexible alternative to traditional IP cameras provides the option for storing video on-site, in the cloud, or both. The easy to use interface can be accessed from a web-based platform or mobile device and activated in minutes, maximizing uptime and accelerating training. These cameras are ideal for a variety of industries ranging from building management and finance to retail, education, and smart cities.

### Versatile and Feature-Rich Cloud Cameras

With a small, aesthetically pleasing design, the affordably priced Illustra 3MP & 8MP Cloud Mini-Dome Cameras offer an effective solution for retail stores, schools, bank branches and small to medium size offices. A P-Iris lens delivers clear video in changing light while built-in IR illuminators produce clear images at an effective distance in a variety of low light conditions. With a recessed mounting option, these cameras can be strategically placed to blend into a variety of both interior and exterior locations.

### Enhance Visibility with Efficient Management Tools

Time-saving, productivity-boosting tools are uniquely bundled into Tyco Cloud Camera video management software. View and scan through 24 hours of recorded video and events from up to 100 cameras at the same time in only 60 seconds with Hyper View. Supervise user roles and permissions, system support, services, and troubleshooting from the centralized Enterprise Manager. This feature includes SMS alerts and a map view for quickly addressing issues remotely.
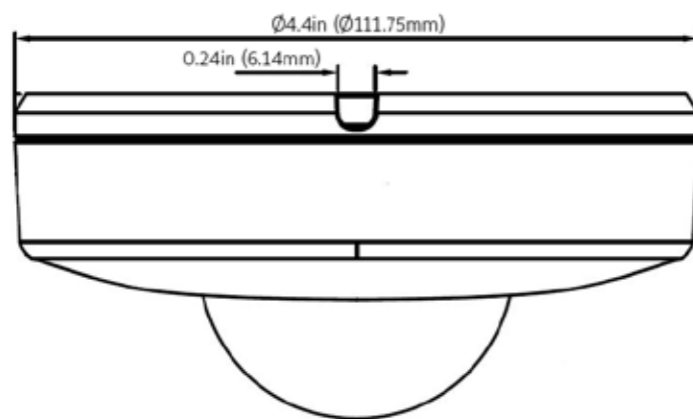
### Safeguard Against Cyber Attacks Across Devices

Illustra Cloud Cameras have been designed to be resilient against cyber-threats. Our Cloud 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 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.
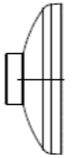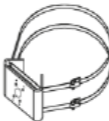
## Specifications

| Operational | |
|---|---|
| Video Compression | H.264 / H.265 / MJPEG |
| Max Frame Rate | 30ips @ 3MP, 60ips @ 1080p |
| Resolution & Aspect Ratio | 2048x1536 (QXGA) 4:3     1024x576 (PAL+) 16:9<br>1920x1080 (1080p) 16:9     640x360 (nHD) 16:9<br>1664x936 16:9     480x360 (480) 4:3<br>1280x720 (720p) 16:9     384x288 4:3 |
| Video Streams | Triple Streams |
| Imager | Progressive Scan RGB 1/2.8" CMOS |
| Image Orientation Settings | Flip and Mirror |
| Lens Type | Fixed |
| Focus Control | Fixed |
| Focal Length | 2.9mm |
| Field of View Wide (H/V) | 102°/77° |
| Aperture | F1.8 |
| Minimum Illumination<br>   Color, 1/4s, 30 IRE, AGC | 0.01 Lux |
| Dynamic Range | Triple Exposure, True WDR 120 dB Technologies |
| Day/Night | Soft Day/Night |
| Shutter Speed | 1/4 – 1/10,000 sec |
| ONVIF-Compliant | Profile S |
| Motion Detection Zones | 3 |
| Simultaneous Users | 5 |
| Languages | English, French, Italian, German, Spanish |

| Network | |
|---|---|
| Ethernet Interface | 10/100Base-T, RJ-45 |
| Supported Protocols | TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTCP, RTSP, TLS, Unicast, Multicast, NTP, ICMP, IGMP, SMTP, WS-Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WSAddressing, CIFS, SNMP, UPNP, RTSP, LLDP |

| Configuration Management | |
|---|---|
| Web Browsers | Internet Explorer 8.0 or above, Firefox, Safari, Chrome |
| Security | One-Click Security Hardening, User Access Log, Validate Complex Credentials, Disabling Unused Protocols IEEE 802.1x including: PEAP, EAP-TLS, EAPoL |

| Onboard Storage | |
|---|---|
| Card Support | Western Digital Purple SD with Realtime Health Monitoring |
| Pre-Alarm Recording | 10 seconds |
| Recording Format | MKV (encrypted) |
| Playback | Via Tyco Cloud website or mobile app |
| Recording Trigger | Motion detection or recording schedule |
| Scheduled Uploading | Yes |

| Cloud Storage | |
|---|---|
| Scheduled/24x7 | Record to cloud on any schedule at any resolution or bitrate |
| Motion Only | Record to cloud only when motion is detected |
| Bookmarks Only | Record to cloud only bookmarked video and share securely |
| Cold Storage | Cost effective recording of archival video 6 months or longer |

| Electrical | |
|---|---|
| Power Input | Power over Ethernet (PoE) IEEE 802.3af Type 1 Class 2 |
| Power Draw | 6W |

| Physical | |
|---|---|
| Dimensions (RxH) | 4.3 x 2in (110 x 52mm) |
| Weight | 1.1lbs (0.5kg) |
| Housing Color | Signal White Pantone RAL 9003 |
| Operating Temperature | -40ºF to 122ºF (-40ºC to 50ºC) |
| Humidity | Up to 90% non-condensing |
| Vandal Resistant | IK10 |
| Outdoor Rating | IP67 |

| Regulatory | |
|---|---|
| Safety | EN60950-1; IEC 60950-1; CSA 22.2 No. 60950 |
| Emissions | FCC Part 15 Class A; EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A |
| Immunity | EN55024; EN50130-4 |
| Enviornment | RoHS; WEEE |

## Accessories

| Accessory Type | Image | Model Number | Description | Dimensions | Color |
|---|---|---|---|---|---|
| Pendant Cap | | ADCI6MPCAPIW | Pendant Cap: Indoor/Outdoor, White/Black | Ø5.8 x 2.2 x 5.8 in (Ø148 x 55 x 147.4 mm) | RAL 9003 Signal White RAL 9017 Traffic Black |
| Gooseneck Arm | | ADLOMARM | For use with Pendant Cap | 4.4 x 8.78 x 4.4 in (112.5 x 222.9 x 112.5 mm) | RAL 9003 Signal White RAL 9017 Traffic Black |
| 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 Signal White |
| Pole Mount Adapter | | ADCDMPOLE | For use with Pendant Cap and Gooseneck Arm, or directly to the camera back plate. | Wraps around pole | RAL 9003 Signal White |

## Ordering Information

| Model | Description |
|---|---|
| TCCFS03C01XXX | 3MP Indoor/Outdoor Dome No IR 2.8mm. 32GB-512GB Internal Storage |

## Accessories

| Model | Description |
|---|---|
| ADCI6MPCAPIW | ADCI6MPCAPIW Illustra compact mini-dome pendant cap, white, ¾" NPT |
| ADLOMARM | Gooseneck Arm (White) |
| ADCDMCRNRO | Outside Corner Mount Adaptor (White) |
| ADCDMPOLE | Pole Mount Adaptor (White) |

Ø4.4in (Ø111.75mm)

0.24in (6.14mm)

# tyco

# Illustra Cloud Cameras
# 2MP IR PTZ







# 2MP IR PTZ

## Key Features

- Stores video in the camera, in the cloud, or both as needed
- Integrates with Tyco Cloud video management software
- Cold storage for cost-effective and secure video archiving
- IK10-rated vandal resistance and IP67-rated protection against dust and water damage
- P-iris for image clarity in changing light conditions
- Motion detection for instant intruder alerts

Tyco Cloud lets businesses easily scale and streamline security operations by moving costly and complex system infrastructure to the cloud for simplified management.

### Simplify Surveillance in the Cloud

Reduce complex surveillance installation and video management costs with Illustra Cloud Cameras. This flexible alternative to traditional IP cameras provides the option for storing video on-site, in the cloud, or both. The easy to use interface can be accessed from a web-based platform or mobile device and activated in minutes, maximizing uptime and accelerating training. These cameras are ideal for a variety of industries ranging from building management and finance to retail, education, and smart cities.
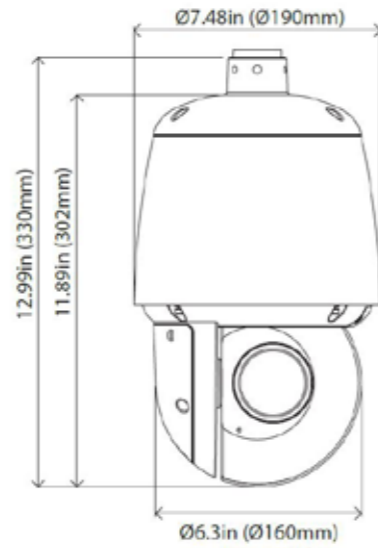
### Manage Vast Surveillance Areas while Streaming to the Cloud

The Illustra Cloud IR PTZ is ideal for applications that require reliable, expansive functionality at an economical price point. With its 30x optical and 12x digital magnification, the IR PTZ is capable of effectively managing video quality at a distance of up to 1,000ft (300m).

## Johnson Controls

# Specifications

## Operational

| | |
|---|---|
| Video Compression | H.264 / H.265 / MJPEG |
| Max Frame Rate | 60ips @ 2MP |
| Resolution & Aspect Ratio | 1920x1080 (1080p) 16:9     1800x450 16:9<br>1600x900 (HD+) 16:9     640x360 (nHD) 16:9<br>1280x720 (720p) 16:9     480x270 16:9<br>1024x576 (PAL+) 16:9     320x180 16:9<br>960x540 (qHD) 16:9     160x90 16:9 |
| Video Streams | Triple Streaming |
| Imager | Progress Scan RGB CMOS 1/3" |
| Image Orientation Settings | Auto Flip |
| Lens Type | IR Optical Corrective, Motorized Varifocal |
| Focus Control | Motorized, Auto Focus |
| Focal Length | 4.3 - 129mm |
| Field of View Wide (H/V) | 65°/38° |
| Field of View Telephoto (H/V) | 2.4°/1.4° |
| Aperture | F/1.6 (W)<br>F/4.7 (T) |
| Minimum Illumination | |
|    Color, 1/4s, 30 IRE, AGC | 0.03 Lux |
|    B/W, 1/4s, 30 IRE, AGC | 0.001 Lux |
|    w/ IR | 0.0 Lux |
| IR Distance | 500ft (150m) |
| Dynamic Range | Dual Exposure, True WDR 93 dB Technologies |
| Day/Night | True Day/Night with ICR |
| Shutter Speed | 1/30(25) - 1/30,000 sec |
| ONVIF-Compliant | Profile S |
| Motion Detection Zones | 1 |
| Blur Detection | Yes |
| Alarms I/O | 2/2 |
| Analog Video Output | NTSC/PAL Composite Video |
| Audio | Bi-Directional 1/1 |
| Simultaneous Users | 10 |
| Languages | English, French, Italian, German, Spanish |

## PTZ Operations

| | |
|---|---|
| Optical Zoom | 30x Optical Zoom, 12x Digital Zoom |
| Pan Travel | 360° Continuous |
| Tilt Travel | -15° - +90° |
| Manual Continuous Speed | 0.1° - 90°/s |
| Preset Accuracy | 0.1° |
| Preset Speed | Pan Speed: 0.1°/s - 240°/s<br>Tilt Speed: 0.1° - 160°/s |
| Presets | Up to 16, each with 16 steps (presets) |
| Sequences | 17 Available, 16 Programmable |
| Home Function | Preset, Pattern, Sequence, or Scan |
| Auto Flip | Yes |
| Noise Reduction | Digital Noise Reduction 2D and 3D |

## Network

| | |
|---|---|
| Ethernet Interface | IE 9 or above, Firefox, Chrome, Safari |
| Supported Protocols | HTTPS, TLS, WS-Security, Certificate Management, Multi-Level Password Protection, IP address filtering, HTTPS encryption, One-Click Security Hardening, User Access Log, Validate Complex Credentials, Disabling Unused Protocols, IEEE 802.1x including: PEAP, EAP-TLS, EAPoL |

## Configuration Management

| | |
|---|---|
| Web Browsers | IE9 and above, Firefox, Chrome, Safari |
| Security | Multiple user access levels, IP address filtering, user access log, IEEE 802.1x |

## Onboard Storage

| | |
|---|---|
| Card Support | Western Digital Purple SD with Realtime Health Monitoring |
| Pre-Alarm Recording | 10s |
| Recording Format | MKV (encrypted) |
| Playback | Via Tyco Cloud website or mobile app |
| Recording Trigger | Motion detection or recording schedule |
| Scheduled Uploading | Yes |

## Cloud Storage

| | |
|---|---|
| Scheduled/24x7 | Record to cloud on any schedule at any resolution or bitrate |
| Motion Only | Record to cloud only when motion is detected |
| Bookmarks Only | Record to cloud only bookmarked video and share securely |
| Cold Storage | Cost effective recording of archival video 6 months or longer |

## Electrical

| | |
|---|---|
| Power Input | UPoE 802.3bt Class 6, 24VAC |
| Power Draw | 51W |

## Physical

| | |
|---|---|
| Dimensions (RxH) | Ø 7.5in (190mm) \| Body Height: 11.9in (301mm) \| Height to Pedant Top: 13in (330mm)<br>Ball: 6.3in (Ø160mm) |
| Weight | 11.5lbs (5.2kg) |
| Housing Color | Signal White Pantone RAL 9003 |
| Operating Temperature | -40°F to 122°F (-40°C to 50°C) |
| Storage Temperature | -40°F to 140°F (-40°C to 60°C) |
| Humidity | Up to 90% Non-Condensing |
| Vandal Resistant | IK10 |
| Outdoor Rating | IP66 |

## Regulatory

| | |
|---|---|
| Safety | CAN/CSA-C22.2 No. 60950-1; EN 60950-1 |
| Emissions | FCC Part 15 Class A; CE EN55032 Class A; AS/NZS CISPR 22 Class A; ICES-003/NMB-003 Class A |
| Immunity | EN55024; EN50130-4 |
| Enviornment | RoHS; WEEE |

Ø7.48in (Ø190mm)
12.99in (330mm)
11.89in (302mm)
Ø6.3in (Ø160mm)

## Accessories

| Accessory Type | Image | Model Number | Description | Dimensions | Color |
|---|---|---|---|---|---|
| Recessed Mount | | IFIRPTZWRECMT | Recessed mount for indoor or outdoor IR PTZ | Ø10.9 x 6.5 in (Ø276 x 166.1 mm) | RAL 9003 Signal White (Trim) |
| Ceiling Mount | | IFIRPTZC2X2 | Ceiling Mount Adapter Tile for use with IFIRPTZWRECMT | 23.8 x 23.8 in (605 x 605 mm) | SHERWIN WILLIAMS 3HWT2-9002 |
| Wall Mount | | RHOSW | Short wall mount with end cap. For use with RHOWPA pole strap adapter and RHOWCA corner bracket adapter | With Dome Installed 14 x 9 x 11 in (366 x 218 x 282 mm) | RAL 9003 Signal White |
| Wall Mountt | | RHOLW | Long wall mount with end cap | With Dome Installed 14 x 9 x 23 in (366 x 218 x 587 mm) | RAL 9003 Signal White |
| Over the Roof Mount | | RHOTR | Affixes directly to vertical roof wall or parapet, positions dome away from wall | 43 x 10 x 19 in (1098 x 243 x 473 mm) | RAL 9003 Signal White |
| Over the Roof Floor Mount | | ROTRF | Enables RHOTR over-theroof mount to be installed on horizontal and vertical roof/ parapet surfaces | 15 x 10 x 10 in (369 x 240 x 240 mm) | RAL 9003 Signal White |
| Corner Bracket Adapter | | RHOWCA | Enables long and short wall mounts (RHOSW and RHOLW) to affix to outside corners | 7 x 8 x 5 in (185 x 210 x 125 mm) | RAL 9003 Signal White |

| Pole Strap Adapter | | RHOWPA | Enables RHOSW and RHOLW to affix to ourdoor corners | Straps Support: 5 x 3 x 1 in (138 x 79 x 27 mm) Pole Diameter: 2 to 38 in (53 to 951 mm) | RAL 9003 Signal White |
|---|---|---|---|---|---|
| Indoor Pendant Mount | | RHOPN | Allows an outdoor dome housing to be suspended from an outdoor ceiling or horizonal surface | 4.5 x 5 x 5 in (115 x 120 x 120 mm) | RAL 9003 Signal White |
| End Cap Assembly | | ROENDC | Indoor/outdoor head adapter mount | 3 x 4 x 8 in (64 x 103 x 194 mm) | RAL 9003 Signal White |

## Ordering Information

| Model | Description |
|---|---|
| TCCFS02P05XXX | 2MP Indoor/Outdoor PTZ No IR 30X Zoom. 32GB-512GB Internal Storage |

## Accessories

| Model | Description |
|---|---|
| IFIRPTZWRECMT | Illustra Flex IR 30x PTZ indoor / outdoor recessed mount |
| IFIRPTZC2X2 | Illustra Flex IR 30x PTZ 2X2 Ceiling Mount Adapter Plate |
| RHOSW | illustra / Ultra PTZ Wall MountShort 11" |
| RHOLW | illustra / Ultra PTZ Wall Mount Long 23" |
| RHOTR | illustra / Ultra PTZ Over Roof Mount |
| ROTRF | Floor Adapter for RHOTR PTZ mount |
| RHOWCA | PTZ Corner adaptor, used with RHOxW |
| ROENDC | End Cap for RHOxW, Spare |
| IPTZPOEBT60 | illustra Flex IR 30x PTZ, 1PORT BT INJECTOR 60W |
| ADSPOT | Power Supply, 1 O/P, 120/240V to 24V, NEMA 4 |

## 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.illustracameras.com** or follow us on Facebook, Twitter, and LinkedIn.