**Illustra Flex IP Mini-Domes**



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# Bid-Spec

The versatile Illustra Flex Mini-Dome, Indoor or Outdoor, is a True Day/Night network camera that provides 1MP and 3MP full HD resolution for high quality images. H.264 and MJPEG video compression provides excellent image clarity, and efficient bandwidth and video storage.

With a small, aesthetically pleasing design, the affordably priced Illustra Flex Mini-Dome offers an effective solution for retail stores, K-12 schools, small bank branches and small to medium size offices with a tight budget and a variety of surveillance needs. With a variety of mounting options making it easy to install, these cameras can be strategically placed to blend into in a variety of interior locations such as the cash register terminal at a retail store, the lobby/ corridor of an elementary school or inside a 24 hour ATM vestibule.

Featuring built-in IR illuminators, the outdoor Illustra Flex Mini-Dome produces clear images at an effective distance up to 49 feet in a variety of low light conditions. The outdoor camera also comes with a vandal-resistant housing to protect the camera against external impacts that might occur if an intruder was attempting to take the camera out of operation. With an IP66-rated enclosure, this outdoor mini-dome is ideal in situations where dust or water could damage the camera – a loading dock, parking lot or off-site warehouse.

By using an accessory adaptor plate, the outdoor dome can be used with the Illustra 600Series wall mount bracket, pendent cap mount, flush mount kit or installed on a variety of electrical boxes.

## Key differentiators

* 1MP and 3MP resolution for true HD quality images
* Bandwidth and storage friendly
* True Day/Night (TDN) and slow shutter technology for superior low light performance.
* 3D noise reduction for sharper images and lower bandwidth use in low light
* IR illuminators for clear images in extreme low or zero light conditions(Outdoor model only)
* Motion detection for instant alerts of intruders
* IP66-rated enclosure to protect against dust and water damage (Outdoor model only)
* A variety of mounting options for quick and easy installation
* ONVIF 2.2 profile S compliant

# Product Description

* The camera has an integrated 3-9mm manually operated varifocal megapixel lens.
* The camera has a:
	+ - Pan Range of ±175˚
		- Tilt range 25˚~90˚
		- Rotate range of ±180˚
* The camera has dual standard compression support of both H.264 and MJPEG formats.
The camera has concurrent triple streams for optimized quality and bandwidth with codecs available in H.264 or M-JPEG
The camera has Real Time Streaming Protocol (RTSP) support allowing for compatibility with media players such as Windows Media Player, Apple QuickTime, VLC Player and others.
* The Illustra Flex 800 camera’s output at resolution 1080p (1920x1080) pixels is a maximum frame rate of 30 frames per second NTSC. At resolution 3M (2048x1536) pixels it is a maximum frame rate of 15 frames per second NTSC.
* The Illustra Flex 600 camera’s output at resolution 720p (1280x720) pixels is a maximum frame rate of 30 frames per second NTSC.
* It is possible to program the Illustra Flex 800 camera to output a variety of other resolution images, i.e., QXGA, 1080p, SXGA, 720p, SVGA, D1, 4CIF, VGA and CIF.
* It is possible to program the Illustra Flex 600 camera to output a variety of other resolution images, i.e.,720p, SVGA, D1, VGA and CIF.
* The camera provides 6 compression profiles for respective resolution frame rate and picture quality.
* The camera has the options to operate with the H.264/M-JPEG codec in constant bit rate or variable bit rate modes
* The camera supports IPv4, HTTP/HTTPS, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, and SMNP network protocols.
* The camera supports motion detection in a single zone.
* The cameras feature automatic exposure, automatic white balance, shutter speed control, 50/60Hz selectable flicker control, programmable brightness, saturation, gamma, sharpness, windowing and decimation, simultaneous delivery of full-field view.
* The camera incorporates necessary algorithms and circuits to detect motion in low light with clarity.
* The camera supports a minimum illumination of 0.3 Lux @ F1.2 in color mode, 0.1 Lux B/W and 0 Lux when using IR illuminator.
* The IR illuminator covers a distance of 15 meters / 49 feet at a wavelength of 850nm.
* The camera’s primary power source is Power over Ethernet (PoE) complying with the IEEE 802.3af standard.
* The indoor camera has the alternative option to be powered from a 12V DC or 24V AC power source providing at least 6.8W of power for the Illustra Flex 600 Indoor and 7W for the Illustra 800 Indoor.
* The outdoor camera has the alternative option to be powered from a 24V AC power source providing at least 10.3W of power for the Illustra Flex 600 Indoor and 10.5W for the Illustra 800 Indoor
* The camera is FCC Part 15, Class A and CE compliant.
* The camera is UL listed.
* The camera has the capability to provide at maximum of 8 independent privacy zones.
* The camera can send an alarm based on on-board motion detection.
* The camera supports digital wide dynamic range.

# Product Quick Specification

## Operational

Video Compression H.264/MJPEG

Max Frame Rate

 Illustra Flex 600 720p @ 30ips

 Illustra Flex 800 3MP @15ips

 1080p @30ips

ONVIF Compliant Yes

Resolutions

Illustra Flex 600 720p (1280x720)

 SVGA (800x600)

 D1 (720x480)

VGA (640x480)

CIF (352x240)

Illustra Flex 800 3.1 MP QXGA (2048x1536)

 3MP (2304x1296)

 1080P (1920x1080)

 SXGA (1280x960)

720p (1280x720)

 SVGA (800x600)

 D1 (720x480)

 4CIF (704x480)

VGA (640x480)

CIF (352x240)

Imager 1/3” CMOS

Day/Night Mechanical ICR

Minimum Illumination

Indoor 0.3 lux @ F1.2 color;

 0.1 lux b/w

Outdoor 0.0 lux in IR Illuminator mode

 IR Illuminator (Outdoor) Effective distance is 15m/49ft

Shutter Speed 1/7.5~1/8000 sec

Back Light Compensation Off/On (6 selectable areas)

Lens Focal Length 3-9mm F1.2 varifocal Lens

Field of View (H/V) Wide Angle: 98˚/53˚

 Telephoto: 33˚/19˚

White Balance ATW (2500K~8000K) / Manual

Alarms Motion detection

Alarm Input 1

Audio Input 1

Audio Format G.711-Alaw/G.711\_Ulaw

Analog Video Output 1 (BNC pigtail included)

Video Stream Triple

Wide Dynamic Range Digital WDR

Digital Noise Reduction 3D

Privacy Zones . Yes, 4

Menu Languages . . . . . . . . . . Arabic, Chinese (Simplified), Chinese (Traditional),

Czech, Dutch, English (default), French, German,

Italian, Japanese, Korean, Polish, Portuguese,

Russian, Spanish

Axis positions Pan Range of ±175˚

 Tilt range 25˚~90˚

Rotate range of ±180˚

## Network

Ethernet . . . . . . . . . . . . . . . . . RJ-45 connector

Supported Protocols . . . . . . . IPv4, HTTP, HTTPS, TCP, RTSP/RTCP/RTP, ICMP, UDP,

IGMP, DNS, DHCP, ARP, NTP, SMTP

## Configuration Management

Web Browsing

Requirements . . . . . . . . . . . . . Internet Explorer 8.0 or above

Security . . . . . . . . . . . . . . . . . Multiple user access levels with password protection

## Onboard Storage

Card Type . . . . . . . . . . . . . . . . SDHC/SDXC

## Electrical

Power . . . . . . . . . . . . . . . . . . .

Indoor 12V DC, 24VAC, PoE 802.3af Class 0

Outdoor 24VAC, PoE 802.3af Class 0

Power Consumption . . . . . . . .

Illustra Flex 600 Indoor: 6.8W; Outdoor: 10.3W

Illustra Flex 800 Indoor: 7W; Outdoor 10.5W

## Physical

Dimension (H x W x L) . . . . . .

Indoor 125 x 106 mm (4.92 x 4.17 in)

Outdoor 147 x 140.5 mm (5.79 x 5.53 in)

Weight . . . . . . . . . . . . . . . . . .

Indoor 0.8 kg (1.76 lbs)

Outdoor 1.9 kg (4.18 lbs)

Housing Material . . . . . . . . . .

Indoor Polycarbonate & ABS

Outdoor ADC12

Housing Color . . . . . . . . . . . .

Indoor Pantone Cool Gray 1C

Outdoor Light Gray RAL 7035

Operating Temperature . . . . . .

 Indoor -10°C to 50°C (14F to 122°F)

 Outdoor 24V AC Power: -40°C to 50°C (-40F to 122°F)

 PoE Power: -10°C to 50°C (14F to 122°F)

Operating Humidity . . . . . . . . . 0% to 90%, non-condensing

Storage Temperature . . . . . . . -20°C to 60°C (-4°F to 140°F)

## Regulatory

Emissions . . . . . . . . . . . . . . . . FCC Class A; CE Class A

IP Rating IP66

# Model Numbers and Descriptions

|  |  |
| --- | --- |
| **Model** | **Description** |
| ADCi600F-D111 | Illustra Flex 600 Indoor Mini-Dome, 1MP, 3-9mm varifocal lens |
| ADCi600F-D021 | Illustra Flex 600 Outdoor Mini-Dome, 1MP, 3-9mm varifocal lens, IR |
| ADCi800F-D111 | Illustra Flex 800 Indoor Mini-Dome, 3MP, 3-9mm varifocal lens |
| ADCi800F-D021 | Illustra Flex 800 Outdoor Mini-Dome, 3MP, 3-9mm varifocal lens, IR |

# Mounting Numbers and Descriptions

|  |  |  |
| --- | --- | --- |
| **Product Code** | **Description** | **Flex Model** |
| ADCI6DPCAPIW | Illustra 600/610/Illustra Flex Indoor Dome pendant cap, white | Flex Indoor Dome |
| ADCiFDMAOW | Mount adaptor plate for Illustra Flex Outdoor Minidomes (must be used with the 3 mounts accessories; ADCiM6FLUSHOW, ADCI6DPCAPOW, ADCiM6WALLWK) | Flex Outdoor Dome |
| ADCiM6FLUSHOW  | Flush Mount kit, outdoor dome, white | Flex Outdoor Dome |
| ADCI6DPCAPOW | Illustra 600/610/Illustra Flex Outdoor Dome pendant cap, white | Flex Outdoor Dome |
| ADCiM6WALLWK  | Wall Mount kit, indoor/outdoor, white | Flex Outdoor Dome |
| ADLOMARM  | Gooseneck arm - white | Flex Outdoor Dome |
| ADCDMCRNRO | Outside corner mount adapter | Flex Outdoor Dome |
| ADCDMPOLE  | Pole mount adapter | Flex Outdoor Dome |