**Illustra Flex IP Box Camera**



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NOTE:

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3610-0548-01 A0

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# Bid-Spec

The affordable Illustra Flex Box Camera is a True Day/Night network camera that provides either 1MP and 3MP of resolution at up to 30ips for high quality images. H.264 video compression provides superior image detail without compromising bandwidth and video storage.

Because of its compact design and affordable price, this camera is best suited for small to medium size offices, retail boutiques, K-12 schools and bank branches looking for a cost-effective camera. Strategically placed, these inconspicuous cameras offer high security without attracting unwanted attention.

The Illustra Flex Box Camera is easy to set up and install into any environment. This camera accommodates a variety of lens types, mounts, and housing accessories, making the box cameras a flexible solution adaptable for any installation or application requirements. For example, choose a telephoto lens for a long, dim hallway or anywhere a longer focal length is required.

The Illustra Flex Box Camera features True Day/Night functionality that switches the camera automatically between color, and black and white mode depending on the ambient illumination level allowing the camera to maintain crystal clear images day or night.

## Key differentiators

* 1MP and 3MP resolution for true HD quality images
* Bandwidth and storage friendly
* Crystal clear images, even in low light conditions
* True Day/Night (TDN) and slow shutter technology for superior low light performance.
* Motion detection for instant alerts of intruders
* Ideal for a variety of indoor commercial environments
* ONVIF 2.2 profile S compliant

# Product Description

* The camera supports both H.264 and MJPEG compression.  
  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 .03 Lux @ F1.2 for color mode, 0.1 Lux for black and white.
* 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 between a 12V DC or 24V AC power source providing at least 5W of power.
* 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 0.3 lux at F1.2 color;

0.1 lux b/w

Shutter Speed 1/7.5~1/8000 sec

Back Light Compensation Off/On (6 selectable areas)

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 connector)

Video Stream Triple

Wide Dynamic Range Digital WDR

Digital Noise Reduction 3D

Lens Mount CS

Privacy Zones . Yes, 4

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

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

Italian, Japanese, Korean, Polish, Portuguese,

Russian, Spanish

## 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 . . . . . . . . . . . . . . . . . . . 12V DC, 24VAC, PoE 802.3af Class 0

Power Consumption . . . . . . . .

Illustra Flex 600 6.8W

Illustra Flex 800 7W

## Physical

Dimension (H x W x L) . . . . . . 56 x 125 x 69 mm (2.20 x 4.92 x 2.72 in)

Weight . . . . . . . . . . . . . . . . . . 0.6 kg (1.32 lbs)

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

Top and Bottom Case AI 6063-T5

Front and Rear Cover Polycarbonate & ABS

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

Top and Bottom Case Pantone Cool Gray 2C

Front and Rear Cover Pantone 7540C

Operating Temperature . . . . . . -10°C to 40°C (14°F to 104°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

# Model Numbers and Descriptions

|  |  |
| --- | --- |
| **Model** | **Description** |
| ADCi600F-X002 | Illustra Flex 600 BOX, 1MP, no lens |
| ADCi800F-X002 | Illustra Flex 800 BOX, 1MP, no lens |