**Illustra Flex IP Bullet Camera**



American Dynamics makes no representations or warranties with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. Furthermore, American Dynamics reserves the right to revise this publication from time to time in the content hereof without the obligation to notify any person of any such revision or changes.

NOTE:

The specifier should carefully select the portions of this document that fit the intended application. Feel free to consult with American Dynamics regarding your particular application.

3610-0548-02 A0

# Contents

[Contents 2](#_Toc377122312)

[1 Bid-Spec 3](#_Toc377122313)

[Key differentiators 3](#_Toc377122314)

[2 Product Description 4](#_Toc377122315)

[3 Product Quick Specification 5](#_Toc377122316)

[Operational 5](#_Toc377122317)

[Network 6](#_Toc377122318)

[Configuration Management 6](#_Toc377122319)

[Onboard Storage 6](#_Toc377122320)

[Electrical 6](#_Toc377122321)

[Physical 6](#_Toc377122322)

[Regulatory 6](#_Toc377122323)

[4 Model Numbers and Descriptions 7](#_Toc377122324)

# Bid-Spec

Solid yet affordable, the Illustra Flex Bullet Camera is a True Day/Night network camera that provides 1MP and 3MP full HD resolution for high quality images. H.264 video compression provides excellent image clarity and efficient bandwidth and video storage for a cost-effective video solution.

Featuring a tough exterior, the Illustra Flex Bullet Camera is ideal for exterior applications of small to medium size offices, retail boutiques, K-12 schools and small bank branches looking for a rugged camera that can withstand harsh environments. The integrated 9-22mm varifocal lens delivers an excellent field of view over longer distances providing the video resolution needed for most outdoor installations. With a sleek IP66-rated enclosure to protect against dust and water damage, this camera is perfect for parking lots and garages, loading docks and any exterior entrances where it is exposed to the elements.

The Illustra Flex Bullet Camera comes complete with built-in IR illuminators for clear video images at up to 82 feet for extreme low light or zero illumination conditions providing crisp, clear video quality both day and night. And, with an integrated mount, installation is a breeze.

## Key differentiators

* 1MP and 3MP resolution for true HD quality images
* 9-22mm manual varifocal megapixel lens
* 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 low light conditions
* Motion detection for instant alerts of intruders
* IP66-rated enclosure to protect against dust and water damage
* Integrated mount for quick and easy installation
* ONVIF 2.2 profile S compliant

# Product Description

* The camera has an integrated 9-22mm varifocal megapixel lens.
* 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 0.5 Lux @ F1.5 in color mode, 0 Lux when using IR illuminator.
* The IR illuminator covers a distance of 25 meters / 82 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 camera has the alternative option to be powered from 24V AC power source providing at least 15W of power when using the LED & heater.
* 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 0.5 lux at F1.5 color;

0.0 lux in IR Illuminator mode

IR Illuminator Effective distance is 25m/25ft

Shutter Speed 1/7.5~1/8000 sec

Back Light Compensation Off/On (6 selectable areas)

Lens Focal Length 9-22mm F1.5 varifocal Lens

Field of View (H/V) Wide Angle: 30.6˚/22.6˚

Telephoto: 13˚/9.8˚

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

## 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 . . . . . . . . . . . . . . . . . . . 24VAC, PoE 802.3af Class 0

Power Consumption . . . . . . . . 15W Max (w/ LED on & Heater)

## Physical

Dimension (H x W x L) . . . . . . Ø 115 x 264 mm (Ø 4.53 x 10.39 in)

Weight . . . . . . . . . . . . . . . . . . 2.3 kg (5.07 lbs)

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

Main Body AI 6063-T5

Rear Case/Brackets ADC12

Housing Color . . . . . . . . . . . . Silver Pantone 877C

Operating Temperature . . . . . .

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-B521 | Illustra Flex 600 Bullet, 1MP, 9-22mm varifocal lens |
| ADCi800F-B521 | Illustra Flex 800 Bullet, 3MP, 9-22mm varifocal lens |