American Dynamics

Illustra 600 IP Series Cameras
High-Definition Bullet

Features That Make a Difference:

- 720p and 1080p resolution

- Auto True Day/Night (TDN)

- H.264 high-profile compression with 30ips

- Low light clarity in color and black & white

- Wide dynamic range (WDN) for clarity in high contrast environments to 96dB

- Dual streaming, progressive scan video

- Auto-focus lens with motorized zoom

- PoE compliant

- Sleek IP66 weatherproof construction

- Outdoor model includes all mounting hardware

The Illustra 600 Series HD Bullet Camera has one of the most powerful sensor/processor combinations available on the market. This indoor/outdoor camera delivers 720p (600 and 600LT models) or 1080p (610 model) resolution with the same high-profile H.264 compression that is used for Blu-Ray HD display. The Illustra HD Bullet Camera consistently delivers industry-leading image quality with some of the lowest bandwidth and storage usage available today.

The 600LT model is ideal for applications that require only 720p resolution, and for those where audio and SD card recording are not needed. The entire Illustra 600 Series of HD IP Cameras works with the VideoEdge NVR and Hybrid as well as with other ONVIF-compliant NVRs and hybrid recorders.
Visit www.americandynamics.net for the latest integrations.

Superior Video Quality: High-Definition

Just like your home television set, the Illustra 600s give you the clear detail of 720p and 1080p video. These high-definition standards allow you to take full advantage of newer 16:9 wide-screen display monitors, which fit our natural vision.

The high-profile H.264 compression delivers superior clarity and lower data rates than others that use the main or base profiles. While the high profile has been designed for cinema image quality, both base and main are designed for lower functions such as standard resolution transmission, teleconferencing and low resolution mobile applications. American Dynamics uses purpose-built compression at the head of the industry to deliver all of the image quality possible from today's cutting-edge technology.

Superior clarity allows for better forensic analysis of video as well as increased situational awareness. Details that may elude security professionals with lower resolution or under-powered compression techniques are delivered with complete clarity by Illustra.

Low Light Leadership

Darkness often invites the activity security professionals are paid to protect against. Poor low-light performance by megapixel cameras hampers some of the most important tasks security professionals need to perform. In addition, when cameras lack clarity in low light, they also tend to increase bandwidth usage and storage costs. Cameras that fail in low-light clarity negatively impact both the necessary functions of security and life-cycle cost management.

Illustra 600 Series HD Bullet Cameras master low-light conditions. First, the sensitivity of the sensor and processor combination is enabled through the latest technology. Second, Illustra

always utilizes top-quality IR-corrected lenses that ensure the camera stays in focus. The 600 Series Cameras add another dimension to low-light performance with built-in IR illuminators. These illuminators light the scene in the event there is no ambient light for the camera sensor to use. In low light or total darkness, these cameras deliver solutions that illuminate.

Wide Dynamic Range

Applications such as retail, banking, hospitals, medical, education and airports, where large banks of windows often let the glare of direct sun into a building, WDR is a must-have feature. Only the best-performing cameras can manage the contrast created by the backlighting that these windows produce.

Illustra 600 Series HD Bullet Cameras take advantage of the latest pixel-by-pixel dynamic range offered in today's CMOS digital imaging. Avoid loss of detail in strongly backlit scenes with the power of this Illustra feature. Maintain the detail in faces with whole scene clarity. Our IR corrected, auto iris, megapixel lenses also enhance the precision of the image for a high-resolution HD solution that excels in a wide range of challenging lighting conditions.

Easy Configuration: Illustra Connect

We've made configuration even easier with our Illustra Connect software, which is shipped with every camera. Illustra Connect is designed to simplify network discovery and configuration. Illustra Connect saves hours of installation time with batch camera configuration and remote firmware upgrading to selectable camera groups. You can set IP addresses, name cameras and generate a summary site audit in CSV format, containing the configuration settings of all of the cameras on your network.

Specifications

Illustra 600 / 610 / 600LT Bullet Cameras Comparision Table		
Illustra 600 Bullet	**Illustra 610 Bullet**	**Illustra 600LT Bullet**
Operational		
Video Compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max Frame Rate	H.264: 30ips 1280 x 1024 (1.3MP) MJPEG: 30ips 1280 x 1024 (1.3MP)	H.264: 30ips 1920 x 1080 MJPEG: 30ips 1920 x 1080	H.264: 30ips 1280 x 1024 (1.3MP) MJPEG: 30ips 1280 x 1024 (1.3MP)
ONVIF Compliant	Yes	Yes	Yes
Video Output	1.0 Vp-p, 75 ohm, NTSC/PAL, RCA service output	1.0 Vp-p, 75 ohm, NTSC/PAL, RCA service output	1.0 Vp-p, 75 ohm, NTSC/PAL, RCA service output
Resolution	CIF, 4 CIF, 720p, 1.3MP	CIF, 4 CIF, 720p, 1080p, 1.3MP	CIF, 4 CIF, 720p, 1.3MP
Imager	1/3″ CMOS	1/3″ CMOS	1/3″ CMOS
Light Sensitivity	400 to 900nm	400 to 900nm	400 to 900nm
True Day/Night	Auto	Auto	Auto
IR Illuminator	Effective distance is 20m/60ft, IR wavelength 850nm	Effective distance is 20m/60ft, IR wavelength 850nm	Effective distance is 20m/60ft, IR wavelength 850nm
Motion Detection	Yes	Yes	Yes
Alarms	Motion detection, dry contact, Ethernet loss	Motion detection, dry contact, Ethernet loss	Motion detection, dry contact, Ethernet loss
Audio	Bi-directional duplex, half-duplex	Bi-directional duplex, half-duplex	Bi-directional duplex, half-duplex
Audio Input/Output	1/1	1/1	1/1
Alarm I/O	2/1	2/1	2/1
Video Stream	2 simultaneous streams	2 simultaneous streams	2 simultaneous streams
Minimum Illumination	0.2 lux at F1.2 color, 0.01 lux at F1.2 b/w, 0.00 lux w/IR illuminator	0.2 lux at F1.2 color, 0.01 lux at F1.2 b/w, 0.00 lux w/IR illuminator	0.3 lux at F1.2 color 0.05 lux at F1.2 b/w 0.00 lux w/IR illuminator
Wide Dynamic Range	96dB, 9 level settings	96dB, 9 level settings	96dB, 9 level settings
Megapixel Lens	3-9mm motorized varifocal	3-9mm motorized varifocal	3-9mm varifocal
Lens Field of View (FOV)	Horizontal – 3mm/121°, 9mm/38° Vertical – 3mm/62°, 9mm/21°	Horizontal – 3mm/121°, 9mm/38° Vertical – 3mm/62°, 9mm/21°	Horizontal – 3mm/121°, 9mm/38° Vertical – 3mm/62°, 9mm/21°
Simultaneous Users	Eight	Eight	Eight
Network		
Interface	Ethernet 10/100Base-T	Ethernet 10/100Base-T	Ethernet 10/100Base-T
Ethernet Port	RJ-45	RJ-45	RJ-45
Supported Protocols	TCP/IP, DHCP, HTTP, ICMP, UPnP, ARP, DNS, DDNS, PPPoE, SMTP, FTP, RTSP	TCP/IP, DHCP, HTTP, ICMP, UPnP, ARP, DNS, DDNS, PPPoE, SMTP, FTP, RTSP	TCP/IP, DHCP, HTTP, ICMP, UPnP, ARP, DNS, DDNS, PPPoE, SMTP, FTP, RTSP
Configuration Management		
Web Browser	MS IE 8.x or greater	MS IE 8.x or greater	MS IE 8.x or greater
Security	Multi-level, multi-users, IP address filtering, user access log, HTTPS	Multi-level, multi-users, IP address filtering, user access log, HTTPS	Multi-level, multi-users, IP address filtering, user access log, HTTPS
Onboard Storage		
Card Support	Micro SD/HC 2.0 up to 32GB	Micro SD/HC 2.0 up to 32GB	N/A
Pre-alarm Recording	Yes	Yes	N/A
Recording Format	MJPEG, JPEG, AVI	MJPEG, JPEG, AVI	N/A
Playback	Via browser	Via browser	N/A
Recording Trigger	Alarm, network loss, schedule, motion detection	Alarm, network loss, schedule, motion detection	N/A

Illustra 600 / 610 / 600LT Bullet Cameras Comparision Table

	Illustra 600 Bullet	Illustra 610 Bullet	Illustra 600LT Bullet
Electrical			
Power Input	AC 24 V, DC 12V/PoE+ IEEE 802.3at	AC 24 V, DC 12V/PoE+ IEEE 802.3at	AC 24 V, DC 12V/PoE+ IEEE 802.3at
Power Draw	DC 12V: Approx. 8.4 W AC 24V: Approx. 10.5 W PoE: Approx. 10.5 W, IEEE 802.3af compliant class 3	DC 12V: Approx. 8.4 W AC 24V: Approx. 10.5 W PoE: Approx. 10.5 W, IEEE 802.3af compliant class 3	DC 12V: Approx. 8.4 W AC 24V: Approx. 10.5 W PoE: Approx. 10.5 W, IEEE 802.3af compliant class 3
Physical			
Dimensions (D x W)	97 x 236 mm (3.82 in x 9.29 in)	97 x 236 mm (3.82 in x 9.29 in)	97 x 236 mm (3.82 in x 9.29 in)
Weight	1.9 kg (4.2 lbs)	1.9 kg (4.2 lbs)	1.9 kg (4.2 lbs)
Housing Color	White, Black	White, Black	White
Operating Temperature	-40°C to 50°C (-40°F to 122°F)	-40°C to 50°C (-40°F to 122°F)	-40°C to 50°C (-40°F to 122°F)
Outdoor Rating	IP66	IP66	IP66
Regulatory			
Emissions	FCC: Part 15 EN55022, Class A ICES-003 Class A AS/NZS CISPR22, Class A	FCC: Part 15 EN55022, Class A ICES-003 Class A AS/NZS CISPR22, Class A	FCC: Part 15 EN55022, Class A ICES-003 Class A AS/NZS CISPR22, Class A
Immunity	EN50130-4	EN50130-4	EN50130-4
Safety	UL60950-1	UL60950-1	UL60950-1

Ordering Information

Model Numbers	Description
ADCi600-B021	Illustra 600 Bullet, 720p/1.3MP, WDR, TDN, outdoor bullet, IR, 3mm-9mm varifocal, PoE, White
ADCi600-B041	Illustra 600 Bullet, 720p/1.3MP, WDR, TDN, outdoor bullet, IR, 3mm-9mm varifocal, PoE, Black
ADCi600LT-B021	Illustra 600LT Bullet, 720p/1.3MP, outdoor bullet, 3-9mm varifocal, no SD card, PoE, White
ADCi610-B021	Illustra 610 Bullet, 1080p/2.1MP, WDR, TDN, outdoor bullet, IR, 3.3-2mm varifocal, PoE, White
ADCi610-B041	Illustra 610 Bullet, 1080p/2.1 MP, WDR, TDN, outdoor bullet, IR, 3mm-9mm varifocal, PoE, Black

Related Products

victor   VideoEdge NVR   VideoEdge Hybrid   HDVR

Approvals

RoHS 2002/95/EC   CE   SECURITY UL LISTED

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