

# Illustra 600 IP Series Cameras

## High-Definition Box



### Features That Make a Difference:

- 720p and 1080p resolution
- Auto True Day/Night (TDN)
- H.264 high-profile compression with 30ips
- Wide dynamic range (WDR) for clarity in high contrast environments to 96dB
- Dual streaming, progressive scan video
- PoE compliant

The Illustra 600 Series HD Box Camera has one of the most powerful sensor/processor combinations available on the market. This Illustra 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, and is an indoor camera only. The Illustra HD Box Camera consistently delivers industry-leading image quality with some of the lowest bandwidth and storage usage available today.

The Illustra 600 Series HD Box Camera provides clear high-definition video at full frame rates. Whether in bright sun or low light conditions, both the 600 and 610 models deliver great quality and high-definition video. In addition, the 600LT model is ideal for installations where lower cost 720p resolution is required, but audio and SD card recording are not needed. The entire Illustra 600 Series of HD IP Cameras works with American Dynamics VideoEdge NVR and Hybrid, as well as with other ONVIF-compliant NVRs and hybrid recorders. Visit [www.americandynamics.net](http://www.americandynamics.net) for the latest integrations.

### Superior Video Quality: High-Definition

The high-profile H.264 compression delivers superior clarity and lower data rates than others that use the main or base profiles. While high profile has been designed for cinema image quality, base and main H.264 compression are designed for lower functions, such as standard resolution transmission, teleconferencing and low-resolution mobile applications. 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 crystal clear clarity.

### Low-Light Leadership

The Illustra 600 Series HD Box Cameras provide superiority in low light. The sensitivity

of the sensor and processor combination, and the use of top-quality IR corrected lenses ensure that the camera stays in focus. Our superior low light clarity improves bandwidth usage and storage costs, no matter how faint the light is or the source of the light. Note: Lenses for box cameras are sold separately. We recommend using only megapixel rated, IR-corrected lenses, for the best video quality.

### Wide Dynamic Range

In 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 back-lighting that these windows produce.

Illustra 600 Series HD IP Box Cameras take advantage of the latest pixel-by-pixel dynamic range offered in today's CMOS digital imaging. Avoid loss of detail with strongly backlit scenes with the power of this Illustra WDR feature. Keep faces in detail 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 variety 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 eliminates the need for manual configuration of each camera and 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.

### Illustra Comparison Table

	Illustra 600 Box	Illustra 610 Box	Illustra 600LT Box
<b>Operational</b>			
<b>Video Compression</b>	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
<b>Max Frame Rate</b>	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)
<b>ONVIF Compliant</b>	Yes	Yes	Yes
<b>Video Output</b>	1.0 Vp-p, 75 ohm, composite, RCA service output	1.0 Vp-p, 75 ohm, composite, RCA service output	1.0 Vp-p, 75 ohm, composite, RCA service output
<b>Resolution</b>	CIF, 4 CIF, 720p, 1.3MP	CIF, 4 CIF, 720p, 1080p	CIF, 4 CIF, 720p, 1.3MP
<b>Imager</b>	1/3" CMOS	1/3" CMOS	1/3" CMOS
<b>Light Sensitivity</b>	400 to 900nm	400 to 900nm	400 to 900nm
<b>Day/Night</b>	Auto	Auto	Color only
<b>Alarms</b>	Motion detection, dry contact	Motion detection, dry contact	Motion detection, dry contact
<b>Audio</b>	Bi-directional duplex, half-duplex	Bi-directional duplex, half-duplex	Bi-directional duplex, half-duplex
<b>Audio Input/Output</b>	1/1	1/1	1/1
<b>Alarm I/O</b>	2/1	2/1	2/1
<b>Video Stream</b>	2 simultaneous streams	2 simultaneous streams	2 simultaneous streams
<b>Minimum Illumination</b>	0.2 lux at F1.2 color, 0.01 lux at F1.2 b/w	0.2 lux at F1.2 color, 0.01 lux at F1.2 b/w	0.3 lux at F1.2 color
<b>Wide Dynamic Range</b>	96dB, 9 level settings	96dB, 9 level settings	96dB, 9 level settings
<b>Simultaneous Users</b>	Eight	Eight	Eight
<b>Privacy Zones</b>	3	3	3
<b>Lens Mount</b>	C/CS	C/CS	C/CS
<b>Network</b>			
<b>Interface</b>	Ethernet 10/100Base-T	Ethernet 10/100Base-T	Ethernet 10/100Base-T
<b>Ethernet Port</b>	RJ-45	RJ-45	RJ-45
<b>Supported Protocols</b>	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
<b>Configuration Management</b>			
<b>Web Browser</b>	MS IE 8.x or greater	MS IE 8.x or greater	MS IE 8.x or greater
<b>Security</b>	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
<b>Onboard Storage</b>			
<b>Card Support</b>	Micro SD/HC 2.0 up to 32GB	Micro SD/HC 2.0 up to 32GB	N/A
<b>Pre-alarm Recording</b>	Yes	Yes	N/A
<b>Recording Format</b>	MJPEG, JPEG, AVI	MJPEG, JPEG, AVI	N/A
<b>Playback</b>	Via browser	Via browser	N/A
<b>Recording Trigger</b>	Alarm, network loss, schedule, motion detection	Alarm, network loss, schedule, motion detection	N/A
<b>Electrical</b>			
<b>Power Input</b>	AC 24 V, DC 12V/PoE IEEE 802.3af	AC 24 V, DC 12V/PoE IEEE 802.3af	AC 24 V, DC 12V/PoE IEEE 802.3af
<b>Power Draw</b>	DC 12V (4.8W), AC 24 V (6W) and PoE (6W)	DC 12V (4.8W), AC 24 V (6W) and PoE (6W)	DC 12V (4.8W), AC 24 V (6W) and PoE (6W)
<b>Physical</b>			
<b>Dimensions (W x H x D)</b>	56 x 68 x 114.5 mm (2.2 x 2.67 x 4.51 in)	56 x 68 x 114.5 mm (2.2 x 2.67 x 4.51 in)	56 x 68 x 114.5 mm (2.2 x 2.67 x 4.51 in)
<b>Weight</b>	360 g (0.79 lbs)	360 g (0.79 lbs)	360 g (0.79 lbs)
<b>Housing Color</b>	White	White	White
<b>Operating Temperature</b>	0°C to 50°C (32°F to 122°F)	0°C to 50°C (32°F to 122°F)	0°C to 50°C (32°F to 122°F)
<b>Regulatory</b>			
<b>Emissions</b>	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
<b>Immunity</b>	EN50130-4	EN50130-4	EN50130-4
<b>Safety</b>	UL 60950-1	UL 60950-1	UL 60950-1

Model Numbers	Description
ADCi600-X011	Illustra 600, 720p/1.3MP, Box, WDR, TDN, no lens, PoE, White
ADCi610-X011	Illustra 610, 1080p/2.1MP, Box, WDR, TDN, no lens, PoE, White
ADCi600LT-X011	Illustra 600LT, 720p/1.3MP, Box, no lens, PoE, White

### Related Products



victor



VideoEdge  
NVR



VideoEdge  
Hybrid



HDVR

### Approvals



[www.americandynamics.net](http://www.americandynamics.net)