



American Dynamics

A Tyco International Company

Illustra 600 IP Series Cameras

High-Definition Mini-Domes

Features That Make a Difference:

- Superior video quality, even in low-light
- 720p (1MP) & 1080p (2MP) resolutions
- Quick and easy installation and configuration
- One-touch auto-focus, mechanical-zoom models available
- Reduced storage cost with H.264 and integrated bandwidth management analytics
- Up to five individual and programmable Regions of Interest



Indoor Model



Outdoor Model

The Illustra 600 Series HD Mini-Domes deliver the four essential qualities of an IP camera: exceptional video quality, easy installation, open platform, and reduced cost.

The Illustra 600 series mini-domes provide crisp and clear high definition video, at full frame rates (30fps NTSC/25fps PAL). Whether in bright sun, near darkness or blackout conditions, you can clearly see important details, such as license plates, merchandise labels and faces.

Installation is simple and easy. The cameras include three integrated mounting options: hard surface, electrical box and recessed mounts, ensuring fast installation with no additional cost or hardware. Configuration is also simplified with browser-based, one-touch auto-focus, mechanical-zoom, and remote management using the Illustra Connect tool.

The Illustra 600s work with the American Dynamics VideoEdge NVR, HDVR, as well as with other ONVIF-compliant NVRs and hybrid recorders. Visit www.americandynamics.net for the latest integrations.

Using onboard motion-detection, and advanced, integrated analytics, the Illustra 600s reduce your ongoing cost of operation by minimizing the cost of storage while ensuring image quality. The IP67-rated outdoor mini-dome reduces costs in colder weather environments by using PoE+ network power, which enables the camera heaters to function at temperatures down to -30°C.

These features make the Illustra 600s the premier choice in high-definition cameras on the market today.



Features

Superior Video Quality: High-Definition

Just like your home television set, the Illustra 600s give you the crisp, clear detail of 720p and 1080p video. These high-definition (HD) standards allow you to take full advantage of newer 16:9 wide-screen display monitors, that fit our natural vision. For comparison purposes, the Illustra 600 Series surpass other cameras that have resolutions from 720p, 1.3MP, and 1080p, 2MP.

Superior Low Light Performance

Too often, significant security events take place at night or in low lighting conditions. With an integrated IR cut filter and powerful CMOS sensors, the Illustra 600s deliver clean, crisp images even in near darkness. This clarity has a further benefit – reduced storage cost. The “noisy” low light images of some megapixel cameras increase bandwidth and storage consumption.



The Illustra 600 performs in low light at .04 lux vs. the top competitors.

PoE IR Illuminator

At night, when there is no ambient light, even a true Day/Night camera will not provide a clear image. The Illustra 600s give you 24/7 security, with integrated infrared (IR) illuminators to illuminate scenes at night. Effective to a distance of 20m (60ft), the Illustra IR illuminators operate on PoE, eliminating the need for a separate power supply.



Illustra integrated PoE IR illuminators: shown in operation on the left, and when not in operation on the right.

Onboard Analytics

The Illustra 600 cameras offer integrated analytics to deal with challenging camera views.



With a constant bit rate of 1mbps, the image of the face with the Illustra 600 is clearer than the competitors at 4mbps, saving on storage.

Face Detection

This camera is uniquely suited for monitoring cash registers, teller lines, entrances, and other environments where high-quality facial images are important. With built-in facial detection* technology, the 600s find faces in the scene and improve the quality of the image around the face. Facial detection allows you to get clearer images, while reducing the bit rate in the rest of the scene. This further reduces bandwidth and storage costs. (See product documentation for recommended installation and usage).

Blur Detection

The Illustra 600 cameras can detect when an image is out of focus. Should this occur, the camera will send an alert to the operator. With the auto-focus option, cameras can be brought back into focus immediately, reducing downtime and maintenance calls.

The 600 series cameras also include motion detection, audio detection, and network loss detection. When there is an incident, an alert is sent to the operator or an email can be sent to any address or hand-held device.

Theia Wide Angle Lens

The wide angle outdoor models include the Theia SL183 1.8-3mm wide angle lens. Theia's patented distortion-free lens technology avoids the “barrel distortion” of other lenses and enables ultra clear views while covering up to 117° field of view. By delivering a constant number of pixels to every area of the image, the integrated Theia lens also improves the accuracy of video analytics operating near the edges of the scene.



Illustra 600s wide angle lens (left) vs. typical barrel distorted lens

Regions of Interest

The Illustra 600 cameras enhance viewing quality with user-defined regions of interest. The camera can be programmed to manage both higher and lower bit rates in areas customized for each scene. When coupled with a low H.264 constant bit rate, customers can get the best of both worlds. The specific scene has clear imagery within the region of interest, while the camera conserves on bandwidth and storage.

Other camera manufacturers offer the ability to “crop” the image in order to see a region of interest. This method loses all of the video within the cropped area, in order to save on bandwidth, however, you lose most of the entire image in those areas. The Illustra 600 cameras allow those areas to be identified and kept in view, while lowering bit rates in ways that minimize the impact on both bandwidth and storage.

*Illustra 600 supports facial detection, not facial recognition

Excellent Outdoor Protection

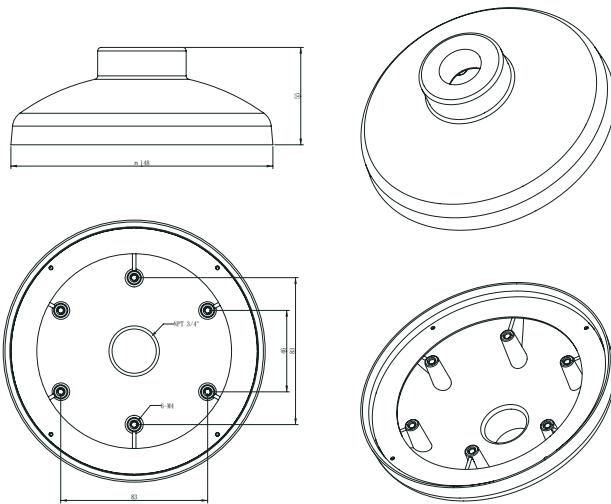
The Illustra 600 outdoor mini-domes take a hard stance against challenging environmental conditions. Rated to -40°C with a 24v power supply, or -30°C over PoE+, these cameras thrive in extreme conditions. With no fans to break down, or drying agent bags to replace, the IP67 ratings are tested to operate when submerged at 1m (3 ft) for 30 minutes. This is a significant advancement over IP66 rated outdoor cameras. In addition, the Illustra 600's "condensation killer" heater ring operates right where the lens meets the bubble to provide serious environmental protection for any outdoor application.

Easy Configuration: Illustra Connect

We've made configuration even easier with our free Illustra Connect configuration software. Illustra Connect ships with all Illustra cameras and is designed to simplify network discovery and configuration. Illustra Connect saves hours of installation time with remote firmware upgrading to selectable camera

Mounts and Accessories

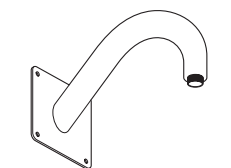
Pendant / Gooseneck Mounts



Outside corner mount adapter
ADCDMCRNRO

For use with Pendant Cap and Gooseneck arm, or directly to the camera back plate

Pole mount adapter ADCDMPOLE
For use with Pendant Cap and Gooseneck arm, or directly to the camera back plate

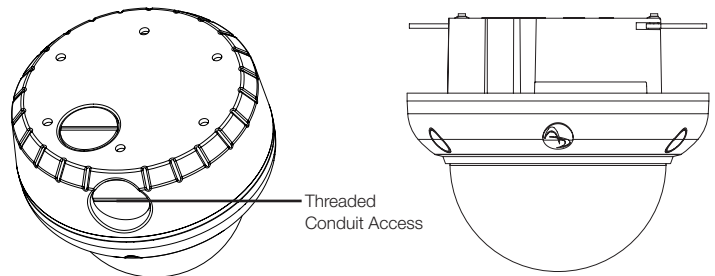


Gooseneck Arm ADLOMARM

groups; setting IP addresses, naming cameras and outputting a summary site audit with the configuration settings of all cameras on the network.

Easy Installation

Easy and fast installation is a hallmark of the Illustra 600 Series camera line. The indoor mini-domes are the only indoor camera to provide three integrated mounts without additional hardware or cost. Hard surface, electrical box and recessed mounts are all integrated within the camera. The recessed mount uses integrated "wings" to reduce time spent on a ladder.



Surface and Electrical box mount

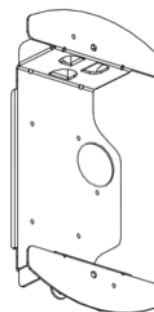
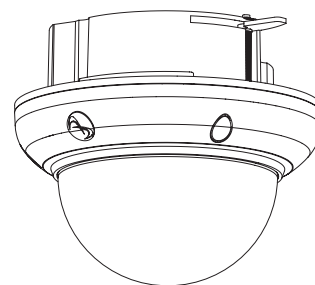
Integrated recessed mount

Every model has a side and rear 3/4in National Pipe Thread threaded conduit access.

To further reduce installation time, the 3-9mm lenses are motorized for remote zoom and one-touch auto focus. Now your installer simply hangs the camera, points it in the right direction and the rest of the job can be done quickly and easily from a web browser.

Indoor / Outdoor Recessed Mounts

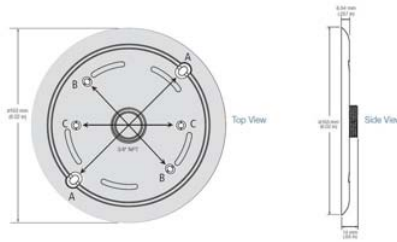
This model also comes with a regulated airspace cap (non-plenum).



Recessed mount kit for outdoor mini-dome to maintain IP67 rating

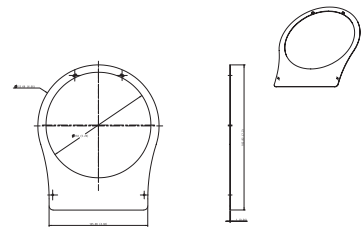
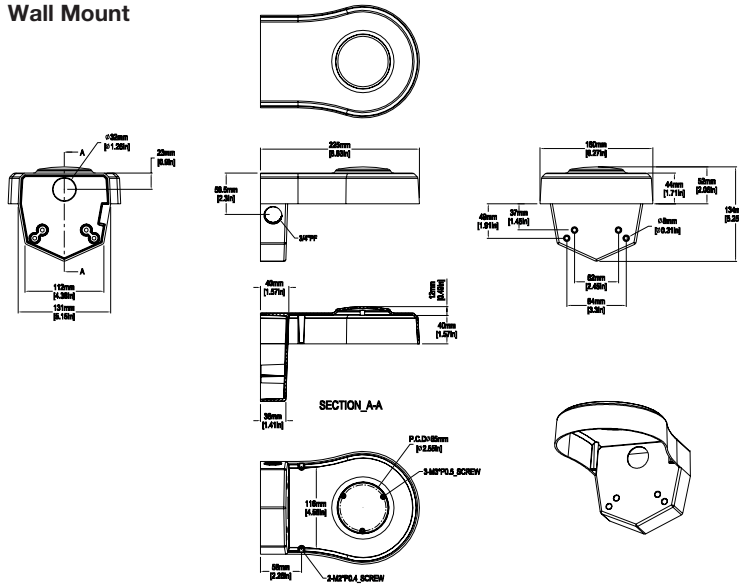
Take a closer look

Electrical Box Adapter

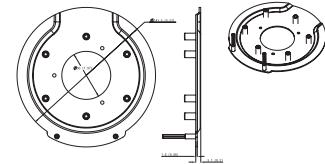


For additional mounting options such as the UK single and double gang boxes, the Illustra 600 Indoor Electrical Box Adapter Plate (ADCPWMELEC) provides a threaded connection directly to the rear of the Illustra 600 back plate and versatile screw options.

Wall Mount



Illustra 600 wall mount adapter cover plate



Illustra 600 wall mount indoor outdoor adapter plate

	ADCi600-Indoor	ADCi600-Outdoor	ADCi610-Indoor	ADCi610-Outdoor
Operational				
Video Compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max Frame Rate	H.264: 30ips 1280 x720 MJPEG: 30ips 1280 x720	H.264: 30ips 1280 x720 MJPEG: 30ips 1280 x720	H.264: 30ips 1920 x1080 MJPEG: 30ips 1920 x1080	H.264: 30ips 1920 x1080 MJPEG: 30ips 1920 x1080
ONVIF-Compliant	Yes	Yes	Yes	Yes
Video Output	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	1.0 Vp-p, 75 ohm, composite, RCA service output
Resolution	CIF, 4 CIF, 720p	CIF, 4 CIF, 720p	CIF, 4CIF, 1080p	CIF, 4CIF, 1080p
Imager	1/2.7" CMOS progressive scan	1/2.7" CMOS progressive scan	1/2.7" CMOS progressive scan	1/2.7" CMOS progressive scan
Light Sensitivity	400 to 900nm	400 to 900nm	400 to 900nm	400 to 900nm
Day/Night	Auto (true day/night)	Auto (true day/night)	Auto (true day/night)	Auto (true day/night)
IR Illumination	Effective distance is 20m/60ft, IR wavelength 850nm	Effective distance is 20m/60ft, IR wavelength 850nm	Effective distance is 20m/60ft, IR wavelength 850nm	Effective distance is 20m/60ft, IR wavelength 850nm
Optional				
Motion Detection	Yes	Yes	Yes	Yes
Alarms	Motion, Blur, Dry Contact, Ethernet loss, Tamper Detection, Audio	Motion, Blur, Dry Contact, Ethernet loss, Tamper Detection, Audio	Motion, Blur, Dry Contact, Ethernet loss, Tamper Detection, Audio	Motion, Blur, Dry Contact, Ethernet loss, Tamper Detection, Audio
Audio	Bi-directional duplex, half-duplex	Bi-directional duplex, half-duplex	Bi-directional duplex, half-duplex	Bi-directional duplex, half-duplex
Alarm Input/Output	2/1	2/1	2/1	2/1
Video Streams	2 simultaneous streams	2 simultaneous streams	2 simultaneous streams	2 simultaneous streams
Minimum Illumination	0.3 lux at F1.2 color, 0.04 lux at F1.2 b/w, 0.00 lux w/IR illuminator model	0.3 lux at F1.2 color, 0.04 lux at F1.2 b/w, 0.00 lux w/IR illuminator model	0.3 lux at F1.2 color, 0.04 lux at F1.2 b/w, 0.00 lux w/IR illuminator model	0.3 lux at F1.2 color, 0.04 lux at F1.2 b/w, 0.00 lux w/IR illuminator model
Wide Dynamic Range	70dB, 5 level settings	70dB, 5 level settings	70dB, 5 level settings	70dB, 5 level settings
IR Corrected Lens	3-9mm motorized vari-focal	3-9mm motorized vari-focal	3-9mm motorized vari-focal	3-9mm motorized vari-focal
Options	HFOV 97°-36°	HFOV 97°-36° 1.8-3mm vari-focal HFOV 117°-89°	HFOV 97°-36°	HFOV 97°-36° 1.8-3mm vari-focal HFOV 117°-89°
Network				
Interface	Ethernet 10/100Base-T	Ethernet 10/100Base-T	Ethernet 10/100Base-T	Ethernet 10/100Base-T
Ethernet Port	RJ-45	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	TCP/IP, DHCP, HTTP, ICMP, UPnP, ARP, DNS, DDNS, PPPoE, SMTP, FTP, RTSP

Specifications

	ADCi600-Indoor	ADCi600-Outdoor	ADCi610-Indoor	ADCi610-Outdoor
Configuration Management				
Web Browser	MS IE 8.x or greater, Mozilla Firefox, Chrome	MS IE 8.x or greater, Mozilla Firefox, Chrome	MS IE 8.x or greater, Mozilla Firefox, Chrome	MS IE 8.x or greater, Mozilla Firefox, Chrome
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	Multi-level, multi-users, IP address filtering, user access log, HTTPS
Onboard Storage				
Card Support	Micro SDHC 2.0 up to 32GB	Micro SDHC 2.0 up to 32GB	Micro SDHC 2.0 up to 32GB	Micro SDHC 2.0 up to 32GB
Pre-alarm recording	Yes	Yes	Yes	Yes
Recording format	MJPEG, JPEG, AVI	MJPEG, JPEG, AVI	MJPEG, JPEG, AVI	MJPEG, JPEG, AVI
Playback	Via browser	Via browser	Via browser	Via browser
Recording Trigger	Alarm, network loss, schedule, motion detection	Alarm, network loss, schedule, motion detection	Alarm, network loss, schedule, motion detection	Alarm, network loss, schedule, motion detection
Simultaneous Users				
	Eight	Eight	Eight	Eight
Electrical				
Power Input	DC12V, AC 24V, PoE IEEE 802.3af	AC 24 V/PoE+ IEEE 802.3at	DC12V, AC 24V, PoE IEEE 802.3af	AC 24 V/PoE+ IEEE 802.3at
Power Draw	5W, 7W with IR illuminators on	44.5w, 46.5w with IR Illuminators on AC24V 21w, 23w with IR Illuminators PoE+	5W, 7W with IR illuminators on	44.5w, 46.5w with IR Illuminators on AC24V 21w, 23w with IR Illuminators PoE+
Physical				
Dimensions (WxH) mm (in)	130 x 120mm (5.11 x 4.72 in.)	157 x 147mm (6.18 x 5.79 in.)	130 x 120mm (5.11 x 4.72 in.)	157 x 147mm (6.18 x 5.79 in.)
Weight	.907 kg (2 lbs)	1.04 kg (2.3 lbs)	.907 kg (2 lbs)	1.04 kg (2.3 lbs)
Housing Color	White or black	White or black	White or black	White or black
Operating Temperature	-10° C to 50° C (-14° F to 122° F) via PoE	-10° C to 50° C (-14° F to 122° F) via PoE -30° C to 50° C (-22° F to 122° F) via PoE+ -40° C to 50° C (-40° F to 122° F) via AC 24v	-10° C to 50° C (-14° F to 122° F) via PoE	-10° C to 50° C (-14° F to 122° F) via PoE -30° C to 50° C (-22° F to 122° F) via PoE+ -40° C to 50° C (-40° F to 122° F) via AC 24v
Outdoor Rating		IP67		IP67
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	FCC: Part 15 EN55022, Class A ICES-003 Class A AS/NZS CISPR22, Class A
Immunity	EN50130-4	EN50130-4	EN50130-4	EN50130-4
Safety	UL	UL60950-1 UL60950-22/IP67	UL	UL60950-1 UL60950-22/IP67
Plenum	Yes	Yes	Yes	Yes

Model	Description
ADCi600-D111	Indoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE, white, clear bubble
ADCi600-D011	Indoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, IR Illuminator, PoE, white, clear bubble
ADCi600-D131	Indoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE, Black, clear bubble
ADCi600-D031	Indoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, IR Illuminator, PoE, black, clear bubble
ADCi600-D113	Indoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE, white, smoked bubble
ADCi600-D013	Indoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, IR Illuminator, PoE, white, smoked bubble
ADCi600-D133	Indoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE, black, smoked bubble
ADCi600-D033	Indoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, IR Illuminator, PoE, black, smoked bubble

ADCi610-D111	Indoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE, white, clear bubble
ADCi610-D011	Indoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, IR Illuminator, PoE, white, clear bubble
ADCi610-D131	Indoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE, Black, clear bubble
ADCi610-D031	Indoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, IR Illuminator, PoE, black, clear bubble
ADCi610-D113	Indoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE, white, smoked bubble
ADCi610-D013	Indoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, IR Illuminator, PoE, white, smoked bubble
ADCi610-D133	Indoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE, black, smoked bubble
ADCi610-D033	Indoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, IR Illuminator, PoE, black, smoked bubble

Illustra 600 Series HD Mini-Domes

ADCi600-D121	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-foca, vandal resistant, PoE+ heater, white, clear bubble
ADCi600-D021	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, IR Illuminator, vandal resistant, PoE+ heater, white, clear bubble
ADCi600-D321	Outdoor/Indoor HD 720p mini-dome, TDN, WDR, 1.8-3mm wide angle lens, vandal resistant, PoE+ heater, white, clear bubble
ADCi600-D141	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE+ heater, black, clear bubble
ADCi600-D041	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, IR Illuminator, vandal resistant, PoE+ heater, black, clear bubble
ADCi600-D341	Outdoor/Indoor HD 720p mini-dome, TDN, WDR, 1.8-3mm wide angle lens, vandal resistant, PoE+ heater, black, clear bubble
ADCi600-D123	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE+ heater, white, smoked bubble
ADCi600-D023	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, IR Illuminator, vandal resistant, PoE+ heater, white, smoked bubble
ADCi600-D323	Outdoor/Indoor HD 720p mini-dome, TDN, WDR, 1.8-3mm wide angle lens, vandal resistant, PoE+ heater, white, smoked bubble
ADCi600-D143	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE+ heater, black, smoked bubble
ADCi600-D043	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm vari-focal, IR Illuminator, vandal resistant, PoE+ heater, black, smoked bubble
ADCi600-D343	Outdoor/Indoor HD 720p mini-dome, TDN, WDR, 1.8-3mm wide angle lens, vandal resistant, PoE+ heater, black, smoked bubble

ADCi610-D121	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE+ heater, white, clear bubble
ADCi610-D021	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, IR Illuminator, vandal resistant, PoE+ heater, white, clear bubble
ADCi610-D321	Outdoor/Indoor HD 1080p mini-dome, TDN, WDR, 1.8-3mm wide angle lens, vandal resistant, PoE+ heater, white, clear bubble
ADCi610-D141	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE+ heater, black, clear bubble
ADCi610-D041	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, IR Illuminator, vandal resistant, PoE+ heater, black, clear bubble
ADCi610-D341	Outdoor/Indoor HD 1080p mini-dome, TDN, WDR, 1.8-3mm wide angle lens, vandal resistant, PoE+ heater, black, clear bubble
ADCi610-D123	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, vandal resistant, PoE+ heater, white, smoked bubble
ADCi610-D023	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm vari-focal, IR Illuminator, vandal resistant, PoE+ heater, white, smoked bubble
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ADCi610-D343	Outdoor/Indoor HD 1080p mini-dome, TDN, WDR, 1.8-3mm wide angle lens, vandal resistant, PoE+ heater, black, smoked bubble

Illustra 600 Series Accessories

ADCiM6FLUSHOW	Illustra 600 series Flush Mount Kit Outdoor Dome White
ADCiM6FLUSHOB	Illustra 600 series Flush Mount Kit Outdoor Dome Black
ADCiM6PENCAPWK	Illustra 600 Series Pendant Cap outdoor white kit with adapter
ADCiM6PENCAPBK	Illustra 600 Series Pendant Cap outdoor black kit with adapter
ADCiM6WALLWK	Illustra 600 Series Wall Mount indoor/outdoor white kit
ADCiM6WALLBK	Illustra 600 Series Wall Mount indoor/outdoor black kit

Related Products



VideoEdge NVR



HDVR



victor

Approvals



www.americandynamics.net

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