

Illustra 600 IP Series Cameras

High-Definition Mini-Domes



Indoor Model



Outdoor Model

Features That Make a Difference:

- Superior video quality, even in low-light
- Face and blur detection
- 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
- UL Plenum rated recessed mount included on all indoor models
- 9-40mm lens option eliminates trenching for long range shots
- 610LT indoor model lowers cost, yet delivers 1080p with an auto focus lens

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 (30ips NTSC/25ips PAL). Whether in bright sun, near darkness or blackout conditions, you can clearly see important details, such as license plates, merchandise labels and faces.

The 610LT offers 1080p resolution. It is a streamlined indoor HD camera, with several upgrades over the competition. An auto focus and motorized zoom lens, and built-in recessed plenum rated mount sets the 610LT apart in the market. This camera is an excellent choice for businesses that need a quality high-definition camera without audio, alarm contacts or other items typically found in full-featured cameras.

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.

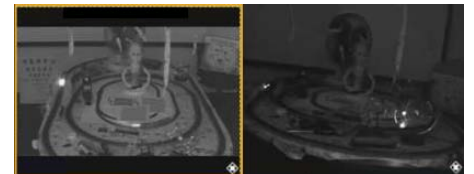
These features make the Illustra 600s the premier choice in high-definition cameras on the market today.

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. * (Not available in the 610LT)



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



Features

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. * Not available in the 610LT



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

Theia Telephoto Lens

The telephoto lens includes the Theia SL940A 9-40mm lens that helps avoid the need for trenching. Its long focal length magnifies objects at a distance for unobstructed views. This high quality lens is IR corrected, ensuring that the camera will stay in focus as it transitions to and from color mode.

* Not available in the 610LT

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.

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

Easy Installation

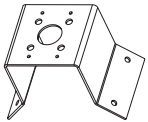
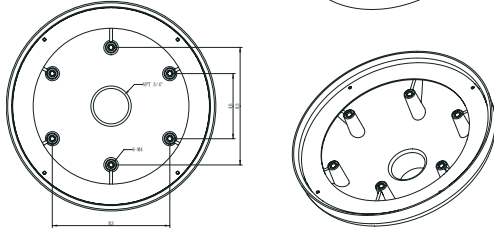
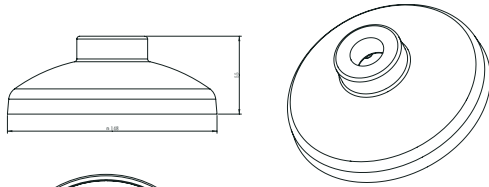
Easy and fast installation is a hallmark of the Illustra 600 Series camera line. The indoor mini-domes are the only indoor camera to provide three integrated mounts without additional hardware or cost. Hard surface, electrical box and recessed mounts are all integrated within the camera. The recessed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

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.

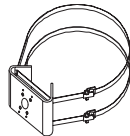
*Illustra 600 supports facial detection, not facial recognition

Mounts and Accessories

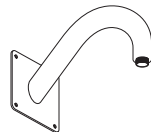
Pendant / Gooseneck Mounts



Outside corner mount adapter
ADCDMCRNRO
For use with Pendant Cap and Gooseneck arm, or directly to the camera back plate

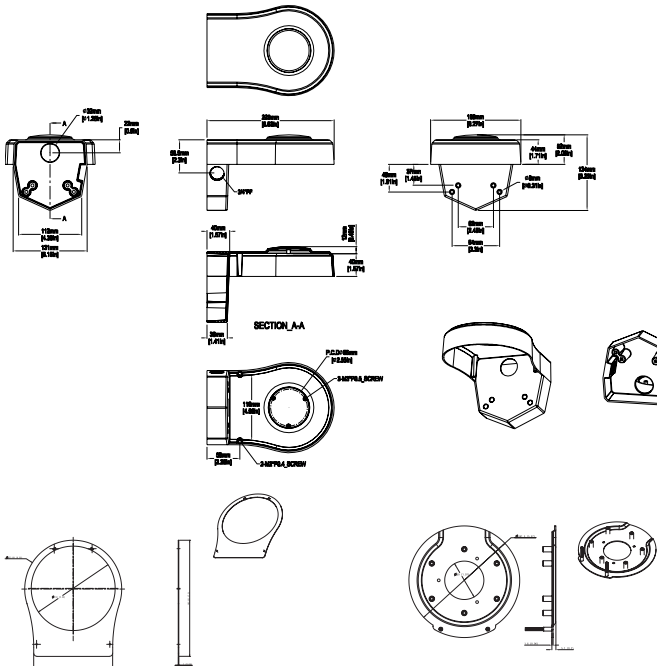


Pole mount adapter
ADCDMPOLE
For use with Pendant Cap and Gooseneck arm, or directly to the camera back plate



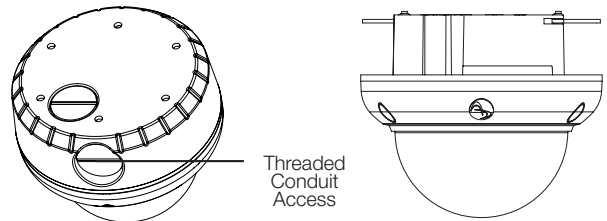
Gooseneck Arm
ADLOMARM

Wall Mount



Illustra 600 wall mount adapter cover plate

Illustra 600 wall mount indoor outdoor adapter plate



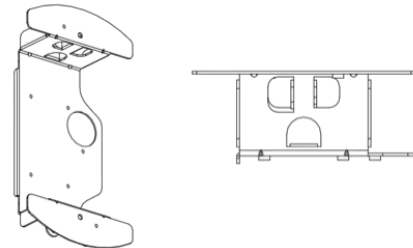
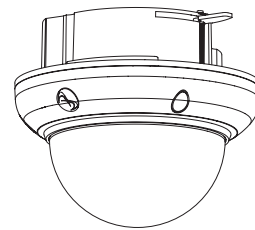
Surface and Electrical box mount

Integrated recessed mount

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

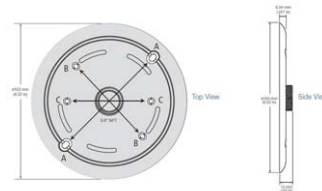
Indoor / Outdoor Recessed Mounts

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



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

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.

Take a closer look

	ADCi610LT-Indoor	ADCi600/610-Indoor	ADCi600/610-Outdoor
Operational			
Video Compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max Frame Rate	H.264: 30ips 1920x1080 MJPEG: 30ips 1920x1080	H.264: 30ips 1280x720/1920x1080 MJPEG: 30ips 1280x720/1920x1080	H.264: 30ips 1280x 720/1920x1080 MJPEG: 30ips 1280x720/1920x1080
ONVIF-Compliant	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
Resolution	CIF, 4CIF, 720p, 1080p	CIF, 4 CIF, 720p (600 model) 1080p (610 Model)	CIF, 4 CIF, 720p (600 model) 1080p (610 model)
Imager	1/2.7" CMOS progressive scan	1/2.7" inch CMOS progressive scan	1/2.7" inch CMOS progressive scan
Light Sensitivity	400 to 900nm	400 to 900nm	400 to 900nm
Day/Night	Color only	Auto (true day/night)	Auto (true day/night)
IR Illumination Optional	N/A	Yes	Yes
Motion Detection	Yes	Yes	Yes
Alarms	Motion, Schedule, Ethernet loss, Tamper Detection	Motion, Schedule, Dry contact, Ethernet loss, Tamper detection	Motion, Schedule, Dry contact, Ethernet loss, Tamper detection
Audio	N/A	Bi-directional duplex, half-duplex	Bi-directional duplex, half-duplex
Alarm I/O	N/A	2/1	2/1
Video Streams	2 simultaneous streams	2 simultaneous streams	2 simultaneous streams
Minimum Illumination	F1.2 color 0.1 lux	Standard 3-9mm lens at F1.2 color 0.1 lux, b/w/ 0.03 lux, IR Illuminator mode 0.00 lux	Standard 3-9mm lens at F1.2 color 0.1 lux, b/w/ 0.03 lux, IR Illuminator mode 0.00 lux; Wide angle 1.8mm lens at F1.8 color 0.2 lux, b/w 0.05 lux
Wide Dynamic Range	70dB, 9 level settings	70dB, 9 level settings	70dB, 9 level settings
IR Corrected Lens Options	3-9mm motorized auto focus HFOV 97°-36°	3-9mm motorized auto focus HFOV 97°-36°	3-9mm motorized auto focus HFOV 97°-36° 1.8-3mm HFOV 117°-89° 9-40mm HFOV 36°-8.4°
Lens Type	Verifocal, IR corrected	Verifocal, IR corrected	Verifocal, IR corrected
Network			
Interface	Ethernet 10/100Base-TX	Ethernet 10/100Base-TX	Ethernet 10/100Base-TX
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	MS IE 8	MS IE 8
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	No	Micro SDHC 2.0 up to 32GB	Micro SDHC 2.0 up to 32GB
Pre-alarm recording	N/A	Yes	Yes
Recording format	N/A	JPEG, AVI	JPEG, AVI
Playback	N/A	Via browser	Via browser
Recording Trigger	N/A	Alarm, network loss, schedule, motion detection	Alarm, network loss, schedule, motion detection
Simultaneous Users			
	Eight	Eight	Eight
Electrical			
Power Input	DC12V, AC 24V, PoE IEEE 802.3af	DC12V, AC 24V, PoE IEEE 802.3af, class 0	DC12V, AC 24 V/PoE+ IEEE 802.3at, class 4
Power Draw	6.5W	6.5W, 9W with IR illuminators on	44.5W, 46.5W Illuminators on or wide angle lens via AC24V, 21W, 23W Illuminators on, or wide angle lens via PoE+ 25w PoE

Specifications

	ADCi610LT-Indoor	ADCi600/610-Indoor	ADCi600/610-Outdoor
Physical			
Dimensions (WxH) mm (in)	135 x 120mm (5.11 x 4.72 in)	135mm x 120mm (5.11 in. x 4.72 in)	157mm x 147mm (6.18 in. x 5.79 in.)
Weight	.907 kg (2 lbs)	.907 kg (2 lbs)	1.04 kg (2.3 lbs)
Housing Color	White only	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	4° C to 50° C (40° 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	N/A	N/A	IP66/IP67
Plenum -Rated	Yes	Yes	With flush mount kit
Regulatory			
Emissions	FCC 107 & 109, Part 15b CE: EN55022, Class A CE: EN6100-3-2; 3-3 ICES-003/NMB-003, Class A AS/NZS CISPR22, Class A	FCC 107 & 109, Part 15b CE: EN55022, Class A CE: EN6100-3-2; 3-3 ICES-003/NMB-003, Class A AS/NZS CISPR22, Class A	FCC 107 & 109, Part 15b CE: EN55022, Class A CE: EN6100-3-2; 3-3 ICES-003/NMB-003, Class A AS/NZS CISPR22, Class A
Immunity	CE: EN50130-4	CE: EN50130-4	CE: EN50130-4
Safety	UL	UL	UL

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

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

ADCi600-D121	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm auto focus, vandal resistant, PoE+ heater, white, clear bubble
ADCi600-D021	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm auto focus, 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 auto focus, vandal resistant, PoE+ heater, black, clear bubble
ADCi600-D041	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm auto focus, 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 auto focus, vandal resistant, PoE+ heater, white, smoked bubble
ADCi600-D023	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm auto focus, 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 auto focus, vandal resistant, PoE+ heater, black, smoked bubble
ADCi600-D043	Outdoor HD 720p mini-dome, TDN, WDR, 3-9mm auto focus, 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 auto focus, vandal resistant, PoE+ heater, white, clear bubble
ADCi610-D021	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm auto focus, IR Illuminator, vandal resistant, PoE+ heater, white, clear bubble
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ADCi610-D123	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm auto focus, vandal resistant, PoE+ heater, white, smoked bubble
ADCi610-D023	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm auto focus, IR Illuminator, vandal resistant, PoE+ heater, white, smoked bubble
ADCi610-D323	Outdoor/Indoor HD 1080p mini-dome, TDN, WDR, 1.8-3mm wide angle lens, vandal resistant, PoE+ heater, white, smoked bubble
ADCi610-D143	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm auto focus, vandal resistant, PoE+ heater, black, smoked bubble
ADCi610-D043	Outdoor HD 1080p mini-dome, TDN, WDR, 3-9mm auto focus, IR Illuminator, vandal resistant, PoE+ heater, black, smoked bubble
ADCi610-D343	Outdoor/Indoor HD 1080p mini-dome, TDN, WDR, 1.8-3mm wide angle lens, vandal resistant, PoE+ heater, black, smoked bubble
ADCi610LT-D111	Indoor HD LT 1080p minidome, auto focus, 3-9mm auto focus, PoE only, white, clear bubble
ADCi610LT-D113	Indoor HD LT 1080p minidome, auto focus, 3-9mm auto focus, PoE only, white, smoked bubble
ADCi600-D521	Outdoor/Indoor HD 720p mini-dome, TDN, WDR, 9-40mm telephoto lens, vandal resistant, PoE+ heater, white, clear bubble
ADCi600-D541	Outdoor/Indoor HD 720p mini-dome, TDN, WDR, 9-40mm telephoto lens, vandal resistant, PoE+ heater, black, clear bubble
ADCi600-D523	Outdoor/Indoor HD 720p mini-dome, TDN, WDR, 9-40mm telephoto lens, vandal resistant, PoE+ heater, white, smoked bubble
ADCi600-D543	Outdoor/Indoor HD 720p mini-dome, TDN, WDR, 9-40mm telephoto lens, vandal resistant, PoE+ heater, black, smoked bubble
ADCi610-D521	Outdoor/Indoor HD 1080p mini-dome, TDN, WDR, 9-40mm telephoto lens, vandal resistant, PoE+ heater, white, clear bubble
ADCi610-D541	Outdoor/Indoor HD 1080p mini-dome, TDN, WDR, 9-40 telephoto mm lens, vandal resistant, PoE+ heater, black, clear bubble
ADCi610-D523	Outdoor/Indoor HD 1080p mini-dome, TDN, WDR, 9-40mm telephoto lens, vandal resistant, PoE+ heater, white, smoked bubble
ADCi610-D543	Outdoor/Indoor HD 1080p mini-dome, TDN, WDR, 9-40mm telephoto 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
ADCi6PENDCAPBK	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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