

# **AutoDome Easy II IP**



AutoDome Easy II IP is a rugged, extremely compact, and easy to install PTZ camera system which incorporates many features typically only found in traditional high-speed dome cameras. This discrete, high-speed dome camera has been specifically designed to deliver uncompromised functionality and performance at a very affordable price for indoor and outdoor applications.

The AutoDome Easy II IP provides direct network connection using H.264 and JPEG compression and bandwidth throttling to efficiently manage bandwidth and storage requirements while delivering outstanding image quality. The AutoDome Easy II IP provides complete network-based control of all dome functionality including pan/tilt/zoom operation, presets, tours and alarming as well as web-based configuration of all dome settings.

The AutoDome Easy II IP conforms to the ONVIF (Open Network Video Interface Forum) specification guaranteeing interoperability between network video products regardless of manufacturer.

- Choice of standard, including high-performance H.264 and JPEG
- High-quality H.264 compression at 4CIF/D1 and CIF resolutions
- Tri-streaming generates three independent IP video streams (simultaneous H.264 dual streams and JPEG streaming)
- ONVIF compliant
- Embedded Intelligent Video Analytics (IVA) eliminates dedicated PCs and associated software maintenance (optional)
- Durable vandal-resistant housing and bubble
- Ultra compact for discrete surveillance and improved aesthetics in indoor and outdoor applications
- High-speed 360-degree continuous pan
- High resolution/sensitivity 530 TVL color camera
- 120x zoom (10x optical, 12x digital)

#### AutoDome Easy II IP highlights

With a dome diameter of only 4 inches (10.2 cm), the AutoDome Easy II IP is about 70% smaller than traditional PTZ cameras and 20% smaller than other compact domes. These compact dimensions make the AutoDome Easy II IP ideal for discrete surveillance applications.

Despite its compact design, the AutoDome Easy II IP delivers state-of-the-art technology and features that are rare to most compact PTZ cameras. Its variable pan and tilt speeds and autopivot ensure optimal camera control and viewing at all zoom levels. The high-performance 120x (10x optical/12x digital) zoom autofocus camera incorporates the latest digital imaging technology with excellent sensitivity and resolution. With 99 user-defined presets as well as multiple tour and autopan modes, the AutoDome Easy II IP is not small on features.

A single AutoDome Easy II IP provides as much coverage as four fixed mini domes and is priced lower than a traditional PTZ dome camera. The AutoDome Easy II IP maximizes your security investment by integrating with the entire line of Bosch video products including variable speed Allegiant matrix switchers and Divar XF digital recorders, as well as the full range of Bosch video over IP products. And, the AutoDome Easy II IP is simple to install and use; available with surface, wall, recessed, and pipe mount options. These mounting options plus the Outdoor Installation kit ensure that the AutoDome Easy II IP can be mounted nearly anywhere.

#### **System Overview**

#### High-performance 120x PTZ color camera

The AutoDome Easy II IP PTZ cameras have a 1/4-inch color CCD. With 530 TVL resolution and sensitivity to below 1.0 lux, the AutoDome Easy II IP Series offers exceptional performance at a very affordable price.

The AutoDome Easy II IP supports up to 99 user-defined prepositions, as well as 1 preset tour, 2 recorded tours, and 2 auto-pan modes. The preset tour can be programmed with up to 99 prepositions and a configurable dwell time between positions. The recorded tours playback up to 15 minutes of any manual camera movements made during the recording, including the rate of pan, tilt and zoom speeds and other lens setting changes.

Pan and tilt preset repeatability are accurate to within  $\pm 0.1$  degrees to ensure that the correct scene is captured every time. AutoDome Easy II IP delivers variable pan/tilt speeds from a crawl speed of only 0.1 degrees per second up to an ultra-quick 120 degrees per second. The dome is capable of pan speeds of 360 degrees per second and tilt speeds of 100 degrees per second between prepositions. AutoDome Easy II IP provides a tilt range of 0 to 94 degrees, and a pan range of up to 360 degrees continuous rotation.

The patented AutoScaling (proportional zoom) and AutoPivot (automatically rotates and flips the camera) ensure optimal control.

#### Ultra-efficient H.264 encoding

AutoDome Easy II IP uses an advanced H.264 encoder to create DVD-quality streaming video at ultra-low bit rates. Use of H.264 encoding, bandwidth throttling and multicasting capabilities, minimizes bandwidth and storage usage to significantly reduce costs. AutoDome Easy II IP supports 4CIF and CIF resolutions at frame rates up to 25 and 30 images per second (for PAL and NTSC respectively).

#### **Tri-streaming video**

The AutoDome Easy II IP is capable of generating Two independent H.264 streams with up to 4CIF resolution plus one JPEG stream simultaneously. This profile allows you to stream high-quality H.264 images for live viewing and recording, and at the same time, stream JPEG images to a remote FTP server or PDA device.

#### **ONVIF conformance**

The AutoDome Easy II IP conforms to the ONVIF (Open Network Video Interface Forum) specification guaranteeing interoperability between network video products regardless of manufacturer. ONVIF conformant devices are able to exchange live video, audio, metadata and control information and ensure that they are automatically discovered and connected to network applications such as video management systems.

#### Intelligence

With built-in video content analysis, the standard AutoDome Easy II IP reinforces the Intelligence-at-the-Edge concept where edge devices become increasingly intelligent. This camera comes with built-in MOTION+ video motion detection. This motion detection algorithm is based on pixel change and includes object size filtering capabilities and sophisticated tamper detection capabilities.

The AutoDome Easy II IP also features Bosch's Intelligent Video Analysis (IVA) in a dedicated, optimized version. IVA is state-of the-art intelligent video analysis that reliably detects, tracks, and analyzes moving objects while suppressing unwanted alarms from spurious sources in the image.

#### **Rugged reliability**

A heavy-duty, tamper-resistant aluminum housing and rugged polycarbonate bubble protect the camera from vandalism and theft, ensuring the AutoDome Easy II IP continues to deliver critical images even in the toughest environments.

As with all Bosch products, the AutoDome Easy II IP has been subjected to the industry's most comprehensive and demanding battery of endurance tests such as HALT (highly accelerated life testing) to make sure it will hold up through years of use. And of course, it comes with Bosch's industryleading 3-year warranty.

#### **Functions**

The following are some of the features that make the AutoDome Easy II IP Series the perfect fit for a variety of indoor surveillance applications.

#### iSCSI device support

Built-in iSCSI support allows AutoDome Easy II IP to stream video directly to an iSCSI RAID array. This enables local video storage just like a conventional DVR without streaming high bandwidth video across the network. Local recording, or Recording at the Edge, minimizes bandwidth usage and makes system recording performance totally independent from network performance.

#### Network-based control and configuration

The AutoDome Easy II IP enables full camera control and configuration capabilities over the network. Operators or technicians can control camera pan/tilt/zoom operation, presets, tours, and alarm management functions virtually anywhere without need for additional wiring.

The embedded web server lets the installer access all the user settings, make camera adjustments, and update firmware via a standard web browser.

#### **Device management**

Simple Network Management Protocol (SNMP) support facilitates the remote monitoring and management. AutoDome Easy II IP provides full support for SNMP v3.

#### Cost effective coverage

It typically requires four or more fixed dome cameras to provide a full 360 degrees of surveillance coverage. Traditional PTZ dome cameras provide full coverage, but at a significantly higher cost. A single AutoDome Easy II IP provides as much coverage as four fixed domes, but is priced lower than a traditional PTZ dome camera. Not only is your initial investment smaller, but installation and maintenance costs are reduced as well.

#### Superior privacy masking

The AutoDome Easy II IP allows for a total of 12 individual privacy masks, with up to 12 displayed in the same scene. Unlike conventional privacy masks, these can each be programmed with three, four, or even five corners to cover more complex shapes. As the camera is zoomed each mask changes size smoothly and quickly ensuring that the covered object cannot be seen. You also have a choice of black, white, and blurred characteristics. The blurred option comes in handy when privacy is an issue, but determining the presence of motion is still required.

#### Ease of installation and servicing

The AutoDome Easy II IP has been designed for quick and easy installation; a key feature from Bosch CCTV products. The dome comes fully assembled and ready for surface mount applications. Also available are wall, recessed, and pipe mounting kits which allow the AutoDome Easy II IP to be easily adapted for the individual site requirements. Available in white or charcoal.

#### **Power over Ethernet**

Power for indoor camera models may be supplied via a Power over Ethernet (IEEE 802.3af) compliant network cable connection. With this configuration, only a single cable connection is required to view, power, and control the camera.

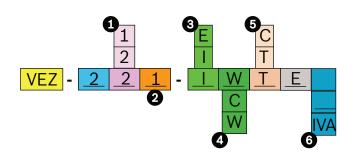
#### Viewing

View the video on a PC using a Web browser, in the Bosch Video Management System or Divar XF, or integrate it into another video management system.

#### **Certifications and Approvals**

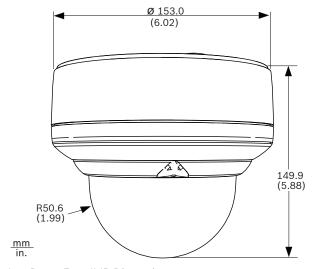
Electromagnetic Com- patibility (EMC)	Complies with FCC Part 15, ICES-003, and CE regulations
Product Safety	Complies with CE regulations, UL, CSA, EN, and IEC Standards
Environmental (Outdoor models)	IP65

#### Installation/Configuration Notes

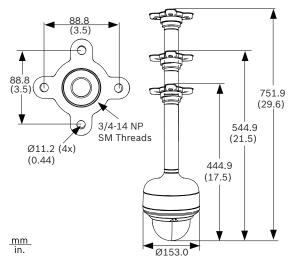


Ordering Guide

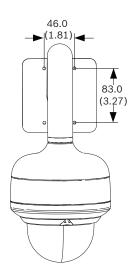
1 Vide	o Format	4 Color	
1	PAL	С	Charcoal
2	NTSC	W	White
2 Cam	era Type	5 Bubble	
1	Color (10x)	С	Clear
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3 Hous	sing	6 Intelligen	t Video Analysis
Е	Outdoor		No IVA
Ι	Indoor	IVA	IP with IVA

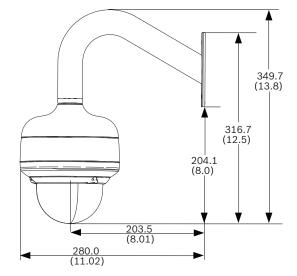


AutoDome Easy II IP Dimensions

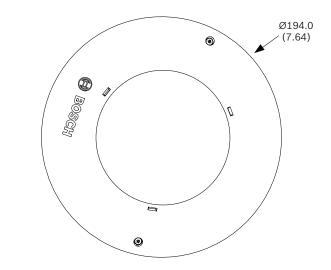


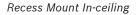
Pipe Mount Dimensions

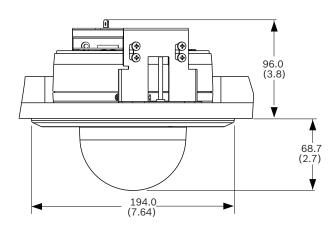




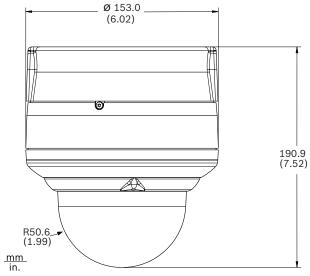
Wall Mount Dimensions







In-ceiling Dimensions



Surface Mount Dimensions

### **Technical Specifications**

#### Camera 10x Color

Imager	1/4 in. Exview HAD CCD
	(752 x 582 PAL)/(768 x 494 NTSC)
Lens	10x Zoom (4.2-42.0 mm) (f/1.8)
Focus	Automatic with manual override
Iris	Automatic with manual override (F1.8 to F2.9)
Field of View	Approx. 4.6° (TELE end) to 46° (Wide end)
Video Output	1.0 Vp-p, 75 Ohm
Gain Control	AGC on/off (28dB max)
Synchronization	Internal/external

Horizontal Resolution         530 TVL typical           Digital         12×           Optical Zoom         10×           Optical Zoom FOV         4.6° to 46°           Sensitivity (typical)         30 IRE         50 IRE           With Tinted Bubble*         50 IRE         50 IRE           With Tinted Bubble*         0.043 lx         0.110 lx           SensUP On (1/4)         0.043 lx         0.110 lx           With optional clear ubbs/         approximately 0.6 T x         intermediate           SensUP On (1/4)         0.043 lx         0.110 lx           With optional clear ubbs/         approximately 0.6 T x         intermediate           SensUP On (1/4)         0.043 lx         0.110 lx           With Jack         Auto, indoor, outdoor, outdoor, outdoor, outdoor, outdoor, outdoor, outdoor, outdoor, and	Aperture Correction	User adjustable		
Optical Zoom10xOptical Zoom FOV4.6° to 46°Sensitivity (typical)30 IR50 IRESensitivity (typical)30 IR50 IREWith Tinted Bubble*0.133 lx1.67 lxSensUP Off0.83 lx1.67 lxSensUP On (1/4)0.043 lx0.110 lxWith optional clear bubble.>proximately 0.6 F-stop improvement.SNR50 dBItemWhite BalanceAuto, indoor, outdoor, 1 pushVideoMultiple, individually compression and PEG, configurable frame rate and bandwidthStreamingMultiple, individually compression and PEG, configurable frame rate and bandwidthGOP StructureI, P. PBBData Rate9.6 kbps to 6 MbpsPata Rate704 x 480, 30 ips704 x 576, 25 ipsCliF352 x 240, 30 ipsStramerate150/60 (PAL/NTSC)Preme rate150/60 (PAL/NTSC)Frame rate150/60 (PAL/NTSC)ProtocolsRTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP,	Horizontal Resolution			
Optical Zoom FOV         4.6° to 46°           Sensitivity (typical)         30 IRE         50 IRE           SensUP Off         0.83 lx         1.67 lx           SensUP On (1/4)         0.043 lx         0.110 lx           With optional clear bubble*         sproximately 0.6 F-scp improvement.           SNR         50 dB         sproximately 0.6 F-scp improvement.           SNR         Rute outprovement.         sproximately 0.6 F-scp improvement.           Streaming         Multiple, individually configurable frame rate and bandwidth           GOP Structure         I, IP, IPBB         sproximately 2.65 for Scp improvement.           Bata Rate         9.6 kbps to 6 Mbps         704 x 480, 30 ips         704 x 576, 25 ips           CIF         352 x 240, 30 ips         352 x 288, 25 ips         Sproximately 2.40 ms           Frame rate         1 to 50/60 (PAL/NTSC)         Multiple, indival Microsofi Inter-sc x, Soli, DynDNS, UPn P	Digital			
Sensitivity (typical)         30 IRE         50 IRE           With Tinted Bubble*	Optical Zoom	10x		
With Tinted Bubble*           SensUP Off         0.83 lx         1.67 lx           SensUP On (1/4)         0.043 lx         0.110 lx           With optional clear bubble, approximately 0.6 F-stop improvement.         SNR         50 dB           White Balance         Auto, indoor, outdoor, 1 push         Video           Video         H.264 (ISO/IEC 14496-10), M-JPEG, JPEG           Streaming         Multiple, individually configurable streams in H.264 and JPEG, configurable frame rate and bandwidth           GOP Structure         I, IP, IPBB         Image: Configurable frame rate and bandwidth           GOP Structure         I, IP, IPBB         PAL           ACIF/D1         704 x 480, 30 ips         704 x 576, 25 ips           CIF         352 x 240, 30 ips         352 x 288, 25 ips           Overall IP delay         240 ms         Image: Configurable frame rate           Frame rate         1 to 50/60 (PAL/NTSC)         Image: Configurable frame rate           Network         Image: Configurable frame rate         Image: Configurable frame rate           Protocols         RTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, SNMP, SNTP, SNMP, RTSP, 802, 1x, iSCSI, DynDNS, UPnP           Power over Ethernet (Im door models only)         Image: Configuration Manage: Software Update         Flash ROM, remote update           Weight         1.3 kg	Optical Zoom FOV	4.6° to 46°		
SensUP Onf         0.83 lx         1.67 lx           SensUP On (1/4)         0.043 lx         0.110 lx           With optional clear bubble, approximately 0.6 F-stop improvement.         SNR         50 dB           SNR         50 dB         White Balance         Auto, indoor, outdoor, outdoor, 1 push           Video         Video         I so da and JPEG, configurable frame rate and bandwidth           GOP Structure         I, IP, IPBB         configurable frame rate and bandwidth           GOP Structure         I, IP, IPBB         Tod x 480, 30 ips         704 x 576, 25 ips           CIF         352 x 240, 30 ips         352 x 288, 25 ips         So           Overall IP delay         240 ms         Tod x 576, 25 ips         So Stex 288, 25 ips           Overall IP delay         240 ms         Tod x 576, 25 ips         So Stex 280, 25 ips           Overall IP delay         240 ms         Tod x 576, 25 ips         So Stex 280, 25 ips           Overall IP delay         240 ms         Tod x 576, 25 ips         So So So 2 x 288, 25 ips           Overall IP delay         240 ms         So So 2 x 280, 25 ips         So NMP, RTSP, 802.1x, iSCSI, DynDNS, UPnP           Protocols         RTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SMTP, SMTP, SNTP, SN	Sensitivity (typical)	30 IRE	50 IRE	
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With optional clear bubble, approximately 0.6 F-stop improvement.         SNR       50 dB         White Balance       Auto, indoor, outdoor, 1 push         Video       Standards         Standards       H.264 (ISO/IEC 14496-10), M-JPEG, JPEG         Streaming       Multiple, individually configurable streams in H. 264 and JPEG, configurable frame rate and bandwidth         GOP Structure       I, IP, IPBB         Data Rate       9.6 kbps to 6 Mbps         Resolutions and Frame Rate       PAL         4CIF/D1       704 x 480, 30 ips       704 x 576, 25 ips         CIF       352 x 240, 30 ips       352 x 288, 25 ips         Overall IP delay       240 ms       Termerate         Frame rate       1 to 50/60 (PAL/NTSC)       Network         Protocols       RTP, Telnet, UDP, TCP, IP, HTTP, MTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SNTP, SNTP, SNMP, RTSP, 802.1x, iSCSI, DynDNS, UPnP         Ethernet       100 Base-TX, auto-sensing, half/full duplex, RJ45         Power over Ethernet (In- door models only)       IEEE 802.3af         Software Outrool       Via Microsoft Internet Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Configuration Manager         Software Update       Flash ROM, remote update         Mechanical/Electrical       1.3 kg (2.86 lb)         Pan Range       0-360° continuous	SensUP Off	0.83 lx	1.67 lx	
SNR       50 dB         White Balance       Auto, indoor, outdoor, 1 push         Video       Standards       H.264 (ISO/IEC 14496-10), M-JPEG, JPEG, JPEG         Streaming       Multiple, individually-configurable streams in H. 264 and JPEG, configurable frame rate and bandwidth         GOP Structure       I, IP, IPBB       Tota Rate       9.6 kbps to 6 Mbps         Pasolutions and Frame Rate       9.6 kbps to 6 Mbps       Tota X576, 25 ips         Resolutions and Frame Rate       704 x 480, 30 ips       704 x 576, 25 ips         CIF       352 x 240, 30 ips       352 x 288, 25 ips         Overall IP delay       240 ms       Tota X 506 (PAL/NTSC)         Frame rate       1 to 50/60 (PAL/NTSC, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP,	SensUP On (1/4)	0.043 lx	0.110 lx	
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Standards       H.264 (ISO/IEC 14496-10), M-JPEG, JPEG         Streaming       Multiple, individually configurable streams in H. 264 and JPEG, configurable frame rate and bandwidth         GOP Structure       I, IP, IPBB         Data Rate       9.6 kbps to 6 Mbps <b>Resolutions and Frame Rates</b> PAL         4CIF/D1       704 x 480, 30 ips       704 x 576, 25 ips         CIF       352 x 240, 30 ips       352 x 288, 25 ips         Overall IP delay       240 ms       Toto 50/60 (PAL/NTSC)         Prame rate       1 to 50/60 (PAL/NTSC)       Network         Protocols       RTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SNTP, SNMP, RTSP, 802.1x, iSCSI, DynDNS, UPnP         Ethernet       100 Base-TX, auto-sening, half/full duplex, RJ45         Power over Ethernet (Indoor models only)       IDEE 802.3af         Goftware Control       Via Microsoft Interret Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Configuration Manager         Software Update       Flash ROM, remote update         Mechanical/Electrical       Via Microsoft Interret Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Configuration Manager         Weight       1.3 kg (2.86 lb)         Pan Range       0-360° continuous         Tilt Angle       0-94°         Variable Speed       0.1°/s-120°/s	White Balance	Auto, indoor, outdoo	r, 1 push	
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264 and JPEG, configurable frame rate and bandwidthGOP StructureI, IP, IPBBData Rate9.6 kbps to 6 MbpsResolutions and Frame RatesNameNTSCPAL4CIF/D1704 x 576, 25 ipsCIF352 x 240, 30 ips352 x 288, 25 ipsOverall IP delay240 ms50/60 (PAL/NTSC)NetworkProtocolsRTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SNTP, SMMP, RTSP, 802.1x, ISCSI, DynDNS, UPnPEthernet100 Base-TX, auto-sursing, half/full duplex, RJ45Power over Ethernet (In- door models only)IEEE 802.3afSoftware ControlUnit ConfigurationVia Microsoft Internet Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Con- figuration ManagerSoftware UpdateFlash ROM, remote updateMechanical/ElectricalI.3 kg (2.86 lb)Pan Range0-360° continuousTilt Angle0-94°Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s	Streaming			
GOP Structure         I, IP, IPBB           Data Rate         9.6 kbps to 6 Mbps           Resolutions and Frame Rates         NTSC         PAL           AdCIF/D1         704 x 480, 30 ips         704 x 576, 25 ips           CIF         352 x 240, 30 ips         352 x 288, 25 ips           Overall IP delay         240 ms         Tota x 576, 25 ips           Overall IP delay         240 ms         Tota x 5060 (PAL/NTSC)           Network         Network         Network           Protocols         RTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SNTP, SNMP, RTSP, 802.1x, ISCSI, DynDNS, UPnP           Ethernet         100 Base-TX, auto-sensing, half/full duplex, RJ45           Power over Ethernet (Indoor models only)         IEEE 802.3af           Software Control         Via Microsoft Interret Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Configuration Manager           Software Update         Flash ROM, remote update           Mechanical/Electrical         Flash ROM, remote update           Weight         1.3 kg (2.86 lb)           Pan Range         0.360° continuous           Tilt Angle         0.94°           Variable Speed         0.1°/s-120°/s           Pre-position Speed         Pan:360°/s Tilt: 100°/s	-	264 and JPEG,	-	
Data Rate         9.6 kbps to 6 Mbps           Resolutions and Frame Rates           Name         NTSC         PAL           4CIF/D1         704 x 480, 30 ips         704 x 576, 25 ips           CIF         352 x 240, 30 ips         352 x 288, 25 ips           Overall IP delay         240 ms         Terame rate         1 to 50/60 (PAL/NTSC)           Network         Protocols         RTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SNTP, SNMP, RTSP, 802.1x, ISCSI, DynDNS, UPnP           Ethernet         100 Base-TX, auto-sensing, half/full duplex, RJ45           Power over Ethernet (Indoor models only)         IEEE 802.3af         Software Control           Unit Configuration         Via Microsoft Interret Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Configuration Manager           Software Update         Flash ROM, remote update           Mechanical/Electrical         I.3 kg (2.86 lb)           Pan Range         0-360° continuous         Continuous           Tilt Angle         0-94°         Pan:360°/s           Variable Speed         0.1°/s-120°/s         Pan:360°/s			e and bandwidth	
Resolutions and Frame Rates           Name         NTSC         PAL           4CIF/D1         704 x 480, 30 ips         704 x 576, 25 ips           CIF         352 x 240, 30 ips         352 x 288, 25 ips           Overall IP delay         240 ms				
Name         NTSC         PAL           4CIF/D1         704 x 480, 30 ips         704 x 576, 25 ips           CIF         352 x 240, 30 ips         352 x 288, 25 ips           Overall IP delay         240 ms				
ACIFTOTA x 480, 30 ipsTOTA x 576, 25 ips4CIF/D1704 x 480, 30 ips704 x 576, 25 ipsCIF352 x 240, 30 ips352 x 288, 25 ipsOverall IP delay240 msFrame rate1 to 50/60 (PAL/NTSC)NetworkProtocolsRTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SNTP, SNMP, RTSP, 802.1x, iSCSI, DynDNS, UPnPEthernet100 Base-TX, auto-sensing, half/full duplex, RJ45Power over Ethernet (Indoor models only)IEEE 802.3afSoftware ControlUnit ConfigurationUnit ConfigurationVia Microsoft Internet Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Configuration ManagerSoftware UpdateFlash ROM, remote updateMechanical/Electrical0.360° continuousTilt Angle0-94°Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s			DAL	
CIF352 x 240, 30 ips352 x 288, 25 ipsOverall IP delay240 msFrame rate1 to 50/60 (PAL/NTSC)NetworkProtocolsRTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SNTP, SNMP, RTSP, 802.1x, iSCSI, DynDNS, UPnPEthernet100 Base-TX, auto-sensing, half/full duplex, RJ45Power over Ethernet (In- door models only)IEEE 802.3afSoftware ControlVia Microsoft Internet Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Con- figuration ManagerSoftware UpdateFlash ROM, remote updateWeight1.3 kg (2.86 lb)Pan Range0-360° continuousTilt Angle0-94°Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s				
Overall IP delay240 msFrame rate1 to 50/60 (PAL/NTSC)NetworkRTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SNTP, SNMP, RTSP, 802.1x, iSCSI, DynDNS, UPnPEthernet100 Base-TX, auto-sensing, half/full duplex, RJ45Power over Ethernet (In- door models only)IEEE 802.3afSoftware ControlVia Microsoft Internet Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Con- figuration ManagerSoftware UpdateFlash ROM, remote updateWeight1.3 kg (2.86 lb)Pan Range0-360° continuousTilt Angle0-94°Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s	•	· · · ·	· · · · · ·	
Frame rate1 to 50/60 (PAL/NTSC)NetworkProtocolsRTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SNTP, SNMP, RTSP, 802.1x, iSCSI, DynDNS, UPnPEthernet100 Base-TX, auto-sensing, half/full duplex, RJ45Power over Ethernet (In- door models only)IEEE 802.3afSoftware ControlVia Microsoft Internet Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Configuration ManagerSoftware UpdateFlash ROM, remote updateMechanical/Electrical0.360° continuousTilt Angle0-94°Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s		•	352 x 288, 25 ips	
NetworkProtocolsRTP, Telnet, UDP, TCP, IP, HTTP, HTTPS, FTP, DHCP, IGMP V2/V3, ICMP, ARP, SMTP, SNTP, SNMP, RTSP, 802.1x, iSCSI, DynDNS, UPnPEthernet100 Base-TX, auto-sensing, half/full duplex, RJ45Power over Ethernet (In- door models only)IEEE 802.3afSoftware ControlIEEE 802.3afUnit ConfigurationVia Microsoft Internet Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Con- figuration ManagerSoftware UpdateFlash ROM, remote updateMechanical/Electrical0.360° continuousTilt Angle0.94°Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s				
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door models only)Software ControlUnit ConfigurationVia Microsoft Internet Explorer 7.0 Web browser or higher, Divar XF, Vidos, or Con- figuration ManagerSoftware UpdateFlash ROM, remote updateMechanical/ElectricalVia kg (2.86 lb)Weight1.3 kg (2.86 lb)Pan Range0-360° continuousTilt Angle0-94°Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s	Ethernet	100 Base-TX, auto-sensing, half/full duplex,		
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browser or higher, Divar XF, Vidos, or Con- figuration Manager Software Update Flash ROM, remote update Mechanical/Electrical Weight 1.3 kg (2.86 lb) Pan Range 0-360° continuous Tilt Angle 0-94° Variable Speed 0.1°/s-120°/s Pre-position Speed Pan:360°/s Tilt: 100°/s	Software Control			
Mechanical/ElectricalWeight1.3 kg (2.86 lb)Pan Range0-360° continuousTilt Angle0-94°Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s	Unit Configuration	browser or higher	, Divar XF, Vidos, or Con-	
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Pan Range0-360° continuousTilt Angle0-94°Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s	Mechanical/Electrical			
Tilt Angle0-94°Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s	Weight	1.3 kg (2.86 lb)		
Variable Speed0.1°/s-120°/sPre-position SpeedPan:360°/s Tilt: 100°/s	Pan Range	0-360° continuous		
Pre-position Speed Pan:360°/s Tilt: 100°/s	Tilt Angle	0-94°		
Tilt: 100°/s	Variable Speed	0.1°/s-120°/s		
	Pre-position Speed	Pan:360°/s		
	Preset Accuracy	+ 0.1° tvp		

Rated Voltage		
• Camera, Indoor		24 VAC ± 10%, 50/60 Hz or Power over Ethernet (IEEE 802.3af Class 3)
Camera, Outdoor		24 VAC ± 10%, 50/60 Hz
• Heater, Outdoor M	lodels	24 VAC ± 10%, 50/60 Hz
Power Draw: (typ.)		
Indoor Models		12 W
Outdoor Models		Camera only: 12 W Heater only: 15 W Total: 27 W
Environmental		
Operating Temp.		
Indoor Models	-10°	C to 40°C (14°F to 104°F)
Outdoor Models	-30°	C to 50°C (-22°F to 122°F)
Operation Humidity	0% to	90% relative, non-condensing
Storage Temp.	-20°	C to 60°C (–4°F to 140°F)
Environmental Rating		
Indoor Models	Rateo	d for indoor use only
Outdoor Models	Rateo	d for IP65
Miscellaneous		
Sectors/Titling	8 ind secto	lependent sectors with 16-character titles, or
Pre-positions	99,6	each with 16-character titles
Guard Tours	•Rec nute •Pre	(2) types of tours: corded tours - two (2), total duration 15 mi s set tour - one (1), consisting of up to 99 es, consecutively
Supported Languages		ish, French, German, Spanish, Portuguese h, Italian, Dutch, and Russian
User Connections		

### User Connections

Power

• PoE, Indoor Models	RJ-45 100 Base-TX Ethernet Power over Ethernet IEEE 802.3af Class 3
Camera, All Models	24 VAC, 50/60 Hz
Heater, Outdoor Models	24 VAC, 50/60 Hz
Video and Control	RJ-45 100 Base-TX Ethernet
Alarm Input (2)	NC/NO
Alarm Output	Open collector NPN 32 VDC @ 150 mA max

### Construction

Material	Cast aluminum
Color	White or Charcoal
Size (Diameter x Height)	6.02 in. x 4.61 in. (153.0 mm x 133.0 mm), Cast aluminum
Bubble	4.0 in. (10.2 cm), Polycarbonate

Ordering Information	
VEZ-211-EWCE Outdoor AutoDome Easy II IP Clear 10x Color PAL Outdoor AutoDome Easy II IP white 10x Color PAL camera with clear bubble	VEZ-211-EWCE
VEZ-221-EWCE Outdoor AutoDome Easy II IP Clear 10x Color NTSC Outdoor AutoDome Easy II IP white 10x Color NTSC camera with clear bubble	VEZ-221-EWCE
VEZ-211-ECCE Outdoor AutoDome Easy II IP Clear 10x Color PAL Outdoor AutoDome Easy II IP charcoal 10x Col- or PAL camera with clear bubble	VEZ-211-ECCE
VEZ-221-ECCE Outdoor AutoDome Easy II IP Clear 10x Color NTSC Outdoor AutoDome Easy II IP charcoal 10x Col- or NTSC camera with clear bubble	VEZ-221-ECCE
VEZ-211-EWTE Outdoor AutoDome Easy II IP Tinted 10x Color PAL Outdoor AutoDome Easy II IP white 10x Color PAL camera with tinted bubble	VEZ-211-EWTE
VEZ-221-EWTE Outdoor AutoDome Easy II IP Tinted 10x Color NTSC Outdoor AutoDome Easy II IP white 10x Color NTSC camera with tinted bubble	VEZ-221-EWTE
VEZ-211-ECTE Outdoor AutoDome Easy II IP Tinted 10x Color PAL Outdoor AutoDome Easy II IP charcoal 10x Col- or PAL camera with tinted bubble	VEZ-211-ECTE
VEZ-221-ECTE Outdoor AutoDome Easy II IP Tinted 10x Color NTSC Outdoor AutoDome Easy II IP charcoal 10x Col- or NTSC camera with tinted bubble	VEZ-221-ECTE
VEZ-211-IWCE Indoor AutoDome Easy II IP Clear 10x Color PAL Indoor AutoDome Easy II IP white 10x Color PAL camera with clear bubble	VEZ-211-IWCE
VEZ-221-IWCE Indoor AutoDome Easy II IP Clear 10x Color NTSC Indoor AutoDome Easy II IP white 10x Color NTSC camera with clear bubble	VEZ-221-IWCE
VEZ-211-ICCE Indoor AutoDome Easy II IP Clear 10x Color PAL Indoor AutoDome Easy II IP charcoal 10x Color PAL camera with clear bubble	VEZ-211-ICCE
VEZ-221-ICCE Indoor AutoDome Easy II IP Clear 10x Color NTSC Indoor AutoDome Easy II IP charcoal 10x Color NTSC camera with clear bubble	VEZ-221-ICCE
VEZ-211-IWTE Indoor AutoDome Easy II IP Tinted 10x Color PAL Indoor AutoDome Easy II IP white 10x Color PAL camera with tinted bubble	VEZ-211-IWTE

Ordering Information	
VEZ-221-IWTE Indoor AutoDome Easy II IP Tinted 10x Color NTSC Indoor AutoDome Easy II IP white 10x Color NTSC camera with tinted bubble	VEZ-221-IWTE
VEZ-211-ICTE Indoor AutoDome Easy II IP Tinted 10x Color PAL Indoor AutoDome Easy II IP charcoal 10x Color PAL camera with tinted bubble	VEZ-211-ICTE
VEZ-221-ICTE Indoor AutoDome Easy II IP Tinted 10x Color NTSC Indoor AutoDome Easy II IP charcoal 10x Color NTSC camera with tinted bubble	VEZ-221-ICTE
VEZ-211-EWCEIVA Outdoor AutoDome Easy II IP with IVA Clear 10x Color PAL Outdoor AutoDome Easy II IP with IVA, white 10x Color PAL camera with clear bubble	VEZ-211-EWCEIVA
VEZ-221-EWCEIVA Outdoor AutoDome Easy II IP with IVA Clear 10x Color NTSC Outdoor AutoDome Easy II IP with IVA, white 10x Color NTSC camera with clear bubble	VEZ-221-EWCEIVA
VEZ-211-ECCEIVA Outdoor AutoDome Easy II IP with IVA Clear 10x Color PAL Outdoor AutoDome Easy II IP with IVA, charcoal 10x Color PAL camera with clear bubble	VEZ-ECCEIVA
VEZ-221-ECCEIVA Outdoor AutoDome Easy II IP with IVA Clear 10x Color NTSC Outdoor AutoDome Easy II IP with IVA, charcoal 10x Color NTSC camera with clear bubble	VEZ-221-ECCEIVA
VEZ-211-EWTEIVA Outdoor AutoDome Easy II IP with IVA Tinted 10x Color PAL Outdoor AutoDome Easy II IP with IVA, white 10x Color PAL camera with tinted bubble	VEZ-211-EWTEIVA
VEZ-221-EWTEIVA Outdoor AutoDome Easy II IP with IVA Tinted 10x Color NTSC Outdoor AutoDome Easy II IP with IVA, white 10x Color NTSC camera with tinted bubble	VEZ-221-EWTEIVA
VEZ-211-ECTEIVA Outdoor AutoDome Easy II IP with IVA Tinted 10x Color PAL Outdoor AutoDome Easy II IP with IVA, charcoal 10x Color PAL camera with tinted bubble	VEZ-211-ECTEIVA
VEZ-221-ECTEIVA Outdoor AutoDome Easy II IP with IVA Tinted 10x Color NTSC Outdoor AutoDome Easy II IP with IVA, charcoal 10x Color NTSC camera with tinted bubble	VEZ-221-ECTEIVA
VEZ-211-IWCEIVA Indoor AutoDome Easy II IP with IVA Clear 10x Color PAL Indoor AutoDome Easy II IP with IVA, white 10x Color PAL camera with clear bubble	VEZ-211-IWCEIVA
VEZ-221-IWCEIVA Indoor AutoDome Easy II IP with IVA Clear 10x Color NTSC Indoor AutoDome Easy II IP with IVA, white 10x Color NTSC camera with clear bubble	VEZ-221-IWCEIVA

## **Ordering Information**

VEZ-211-ICCEIVA Indoor AutoDome Easy II IP with IVA Clear 10x Color PAL Indoor AutoDome Easy II IP with IVA, charcoal 10x Color PAL camera with clear bubble	VEZ-211-ICCEIVA
VEZ-221-ICCEIVA Indoor AutoDome Easy II IP with IVA Clear 10x Color NTSC Indoor AutoDome Easy II IP with IVA, charcoal 10x Color NTSC camera with clear bubble	VEZ-221-ICCEIVA
VEZ-211-IWTEIVA Indoor AutoDome Easy II IP with IVA Tinted 10x Color PAL Indoor AutoDome Easy II IP with IVA, white 10x Color PAL camera with tinted bubble	VEZ-211-IWTEIVA
VEZ-221-IWTEIVA Indoor AutoDome Easy II IP with IVA Tinted 10x Color NTSC Indoor AutoDome Easy II IP with IVA, white 10x Color NTSC camera with tinted bubble	VEZ-221-IWTEIVA
VEZ-211-ICTEIVA Indoor AutoDome Easy II IP with IVA Tinted 10x Color PAL Indoor AutoDome Easy II IP with IVA, charcoal 10x Color PAL camera with tinted bubble	VEZ-211-ICTEIVA
VEZ-221-ICTEIVA Indoor AutoDome Easy II IP with IVA Tinted 10x Color NTSC Indoor AutoDome Easy II IP with IVA, charcoal 10x Color NTSC camera with tinted bubble	VEZ-221-ICTEIVA
Accessories	
VEZ-A2-IC AutoDome Easy II Indoor Ceiling Mount	VEZ-A2-IC
VEZ-A2-JC Surface Mount Adapter Charcoal adapter for AutoDome Easy II surface installations	VEZ-A2-JC
VEZ-A2-JW Surface Mount Adapter White adapter for AutoDome Easy II surface in- stallations	VEZ-A2-JW
VEZ-A2-PC AutoDome Easy II Pipe Mount Charcoal	VEZ-A2-PC
VEZ-A2-PW AutoDome Easy II Pipe Mount White	VEZ-A2-PW
VEZ-A2-WC AutoDome Easy II Wall Mount Charcoal	VEZ-A2-WC
VEZ-A2-WW AutoDome Easy II Wall Mount White	VEZ-A2-WW
VEZ-SBUB-CL AutoDome Easy II Clear Bubble	VEZ-SBUB-CL
VEZ-SBUB-TI AutoDome Easy II Tinted	VEZ-SBUB-TI
Bubble	

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