

# **AutoDome Junior HD PTZ Camera**



- ► HD 1080p and 720p resolutions
- ▶ 160x zoom (10x optical, 16x digital)
- ► Quad video streaming generates simultaneous H.264, M-JPEG, and JPEG video streams
- ► ONVIF conformant
- National Transportation Communications for ITS Protocol (NTCIP) conformant
- Embedded Intelligent Video Analytics (IVA) eliminates dedicated PCs and associated software maintenance
- ► Durable, rugged design with an acrylic bubble
- Ultra compact for discrete surveillance and improved aesthetics
- ► High-speed 360-degree continuous pan
- Preset tour and AutoPan modes

AutoDome Junior HD is a rugged, extremely compact, and easy to install PTZ camera system with superb HDTV quality video. The camera features day/night functionality for high definition quality images in low light conditions.

The AutoDome Junior HD 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 Junior HD provides complete network-based control of all dome functionality including pan/tilt/zoom operation, presets, tours and alarms as well as web-based configuration of all dome settings.

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

#### AutoDome Junior HD highlights

With a dome diameter of only 5.04 inches (12.8 cm), the AutoDome Junior HD is nearly 50% smaller than the Bosch AutoDome. These compact dimensions make the AutoDome Junior HD ideal for discrete surveillance applications.

Despite its compact design, the AutoDome Junior HD 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 160x (10x optical/16x digital) zoom autofocus camera incorporates the latest digital imaging technology with excellent sensitivity and resolution. With 64 user-defined presets as well as tour and AutoPan modes, the AutoDome Junior HD is not small on features.

A single AutoDome Junior HD provides as much coverage as four fixed mini domes and is priced lower than a traditional PTZ dome camera. The AutoDome Junior HD maximizes your security investment by integrating with Bosch video products including the Bosch Recording Station, as well as the full range of Bosch video over IP products.

And, the AutoDome Junior HD is simple to install and use; available with surface, wall, recessed, and pipe mount options.

#### **System Overview**

#### High-performance 160x PTZ day/night camera

The AutoDome Junior HD PTZ camera has a 1/2.5-inch progressive scan CMOS sensor. With up to 1080p resolution and sensitivity to below 1.0 lux, the AutoDome Junior HD Series offers exceptional performance at a very affordable price.

The AutoDome Junior HD supports up to 64 user-defined pre-positions, as well as 1 preset tour and 1 AutoPan mode. The preset tour can be programmed with up to 64 prepositions and a configurable dwell time between positions.

Pan and tilt preset repeatability are accurate to within  $\pm 0.1$  degrees to ensure that the correct scene is captured every time. AutoDome Junior HD delivers variable pan/tilt speeds from a crawl speed of only 1 degree 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 Junior HD provides a tilt range of 0 to 94 degrees, and a pan range of up to 360 degrees continuous rotation.

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

#### Ultra-efficient H.264 encoding

AutoDome Junior HD 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 Junior HD supports 1080p30, 720p60, 720p30, 480p30 (WVGA), and 240p30 (WQVGA) resolutions for 50 Hz and 60 Hz models at 16:9 aspect ratio.

#### Multiple video streams

Bosch's innovative Quad-streaming feature enables the AutoDome Junior HD to deliver three H.264 streams together with an M-JPEG stream in full and reduced bandwidth modes. During full bandwidth operation (full HD 1080p30 or high frame rate 720p60) the second stream is an exact copy of the first stream. In reduced bandwidth mode (720p30), the second stream is an independently configurable, downscaled-resolution stream. In both modes the third H.264 stream consists of HD I-frames only. These streams facilitate bandwidth-efficient viewing and recording options as well as integration with third-party video management systems.

#### **ONVIF** conformant

The AutoDome Junior HD 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 AutoDome Junior HD 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 Junior HD also features Bosch's Intelligent Video Analysis (IVA). 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.

#### **Image Stabilization**

Image stabilization algorithms included with the AutoDome Junior HD reduces camera shake in both the vertical and horizontal axis, resulting in exceptional image clarity. Bosch's unique image stabilization solution does not reduce camera sensitivity, unlike competitive systems.

#### Rugged reliability

A heavy-duty, tamper-resistant aluminum housing protects the camera from vandalism and theft, ensuring the AutoDome Junior HD continues to deliver critical images even in the toughest environments.

As with all Bosch products, the AutoDome Junior HD 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 industry-leading 3-year warranty.

#### **Functions**

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

#### iSCSI device support

Built-in iSCSI support allows AutoDome Junior HD to stream video directly to an iSCSI RAID array. This enables efficient video storage just like a conventional DVR without streaming high bandwidth video across the network, making system recording performance totally independent from network performance.

#### Network-based control and configuration

The AutoDome Junior HD 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 or via the Bosch Video Management System.

#### **Device management**

Simple Network Management Protocol (SNMP) support facilitates the remote monitoring and management. AutoDome Junior HD 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 Junior HD provides as much coverage as four fixed domes, but is priced lower than a traditional PTZ dome camera. Not only are your initial investments smaller, but installation and maintenance costs are reduced as well.

# Superior privacy masking

The AutoDome Junior HD allows for a total of 15 individual, easy to configure privacy masks, with up to 15 displayed in the same scene. 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, gray, or white masking characteristics.

#### Ease of installation and servicing

The AutoDome Junior HD 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 Junior HD 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 Plus (PoE+, IEEE 802.3at, class 4) compliant network cable connection. With this configuration, only a single cable connection is required to power and to control the camera while also viewing images from the camera.

#### Viewing

View the video on a PC using a Web browser or via the Bosch Video Client, the Bosch Recording Station, the Bosch Video Management System, or integrate it into another video management system.

### **Certifications and Approvals**

#### **HD** standards

Complies with the SMPTE 274M-2008 Standard in:

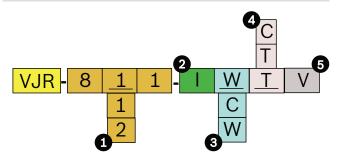
- Resolution: 1920x1080
- Scan: Progressive
- Color representation: complies with ITU-R BT.709
- Aspect ratio: 16:9
- Frame rate: 25 and 30 frames/s

Complies with the 296M-2001 Standard in:

- Resolution: 1280x720
- Scan: Progressive
- Color representation: complies with ITU-R BT.709
- Aspect ratio: 16:9
- Frame rate: 25, 30, 50 and 60 frames/s

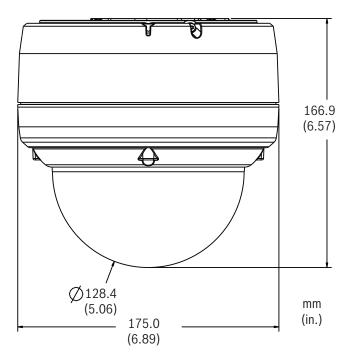
Electromagnetic Compatibility (EMC)	Complies with FCC Part 15, ICES-003, and CE regulations
Product Safety	Complies with CE regulations, UL, CSA, EN, and IEC Standards
Environmental	IP54 (excluding VJR-A3-IC mounting option)

# **Installation/Configuration Notes**

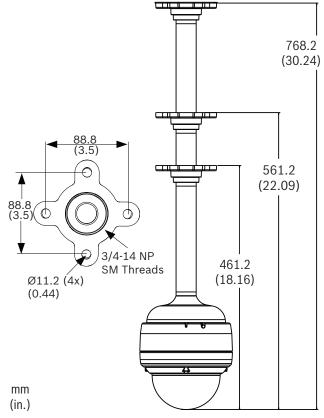


Ordering Guide

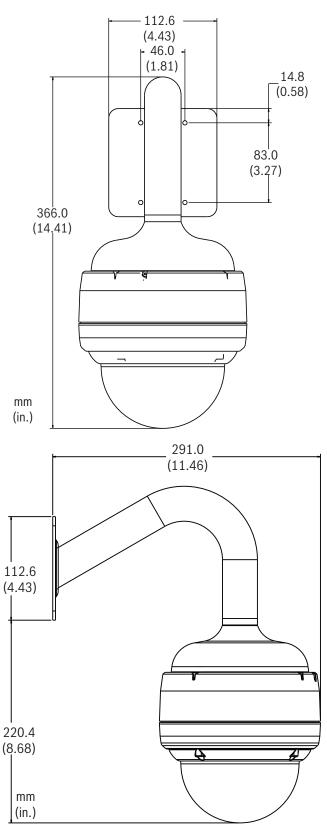
1 Vide	o Format	4 Bubble	
1	50 Hz	С	Clear
2	60 Hz	T	Tinted
2 Hous	ing	5 Intellige	nt Video Analysis
- 1	Indoor	V	IVA installed
3 Colo	r		
С	Charcoal		
W	White		



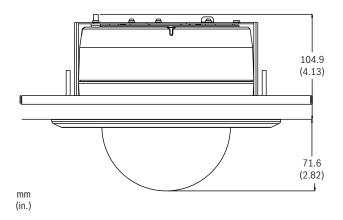
AutoDome Junior HD Dimensions

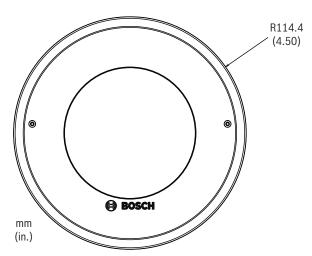


Pipe Mount Dimensions

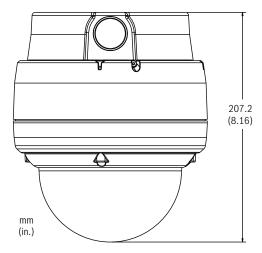


Wall Mount Dimensions





In-Ceiling / Recessed Mount Dimensions



Surface Mount Dimensions

# **Technical Specifications**

# 10x HD Day/Night Camera

Automatic With manual override Field of View Automatic Gain Control Automatic Gain Control Aperture Correction Agensul P Off Automatic Vitypical) Automatic Vitypical) Automatic With manual override Automatic With manual override Automatic With manual override Automatic With manual override Automatic Gain Control Aperture Gain Control Aperture Correction Aperture C				
Aspect Ratio  16:9  10x optical zoom (6.3 to 63 mm) (F1.8/F2.5 to close)  Focus  Automatic with manual override  Automatic with manual override  Horizontal: 5.5° to 50.6° Vertical: 3.1° to 29.3°  Automatic Gain Control  Normal, Medium, High, Fixed  Synchronization  Aperture Correction  On/Off  Digital Zoom  16x  Sensitivity(typical) <sup>1</sup> 30 IRE <sup>2</sup> 50 IRE <sup>2</sup> Day Mode  SensUP Off  1.2  x 2.0  x  SensUP On (64x)  0.038  x 0.063  x  Night Mode  SensUP On (64x)  0.0018  x 0.0031  x  Electronic Shutter Speed AES)  Signal to Noise Ratio  Backlight Compensation  White Balance  At to 64x; 1/50 (1/60) to 1/10000  ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	lmager	1/2.5 inch progressive scan CMOS		
Lens 10x optical zoom (6.3 to 63 mm) (F1.8/F2.5 to close)  Automatic with manual override  Automatic with manual override  Horizontal: 5.5° to 50.6° Vertical: 3.1° to 29.3°  Automatic Gain Control Normal, Medium, High, Fixed  Synchronization Internal  Aperture Correction On/Off  Digital Zoom 16x  Sensitivity(typical) <sup>1</sup> 30 IRE <sup>2</sup> 50 IRE <sup>2</sup> Day Mode  SensUP Off 1.2 lx 2.0 lx  SensUP On (64x) 0.038 lx 0.063 lx  Night Mode  SensUP On (64x) 0.018 lx 0.0031 lx  SensUP On (64x) 0.0018 lx 0.0031 lx  SensUP On (64x) 50 dB (AGC off)  Signal to Noise Ratio > 50 dB (AGC off)  Backlight Compensation On/Off  White Balance ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	Number of Pixels	2.1 Megapixels	2.1 Megapixels	
(F1.8/F2.5 to close)  Automatic with manual override  Automatic with manual override  Horizontal: 5.5° to 50.6° Vertical: 3.1° to 29.3°  Automatic Gain Control  Automatic Gain Control  Normal, Medium, High, Fixed  Internal  Aperture Correction  On/Off  Digital Zoom  16x  Sensitivity(typical) <sup>1</sup> 30 IRE <sup>2</sup> 50 IRE <sup>2</sup> Day Mode  SensUP Off  1.2 Ix  2.0 Ix  SensUP On (64x)  0.038 Ix  0.063 Ix  Night Mode  SensUP On (64x)  0.0018 Ix  0.0031 Ix  Electronic Shutter Speed AES)  Signal to Noise Ratio  Sacklight Compensation  White Balance  Automatic with manual override  Auto	Aspect Ratio	16:9	16:9	
Automatic with manual override Field of View  Horizontal: 5.5° to 50.6° Vertical: 3.1° to 29.3°  Automatic Gain Control  Normal, Medium, High, Fixed  Synchronization  Internal  Aperture Correction  On/Off  Digital Zoom  16x  Sensitivity(typical) <sup>1</sup> 30 IRE <sup>2</sup> 50 IRE <sup>2</sup> Day Mode  SensUP Off  1.2  x  2.0  x  SensUP On (64x)  0.038  x  0.063  x  Night Mode  SensUP On (64x)  0.0018  x  0.0031  x  Electronic Shutter Speed AES)  Signal to Noise Ratio  Sacklight Compensation  White Balance  ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	Lens	• •		
Horizontal: 5.5° to 50.6° Vertical: 3.1° to 29.3° Automatic Gain Control Normal, Medium, High, Fixed Synchronization Internal Aperture Correction On/Off Digital Zoom 16x Sensitivity(typical) 1 30 IRE SensUP Off 1.2 lx 2.0 lx SensUP On (64x) 0.038 lx 0.063 lx Night Mode SensUP On (64x) 0.0018 lx 0.0031 lx SensUP On (64x) 1x to 64x; 1/50 (1/60) to 1/10000 SensUP On On/Off White Balance ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	Focus	Automatic with manu	ual override	
Vertical: 3.1° to 29.3°  Automatic Gain Control  Normal, Medium, High, Fixed  Synchronization  Internal  Aperture Correction  On/Off  Digital Zoom  16x  Sensitivity(typical) <sup>1</sup> 30 IRE <sup>2</sup> 50 IRE <sup>2</sup> Day Mode  SensUP Off  1.2  x  2.0  x  SensUP On (64x)  0.038  x  0.063  x  Night Mode  SensUP On (64x)  0.0018  x  0.0031  x  SensUP On (64x)  1x to 64x; 1/50 (1/60) to 1/10000  AES)  Signal to Noise Ratio  Sacklight Compensation  White Balance  ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	Iris	Automatic with manu	ual override	
Synchronization Internal Aperture Correction On/Off Digital Zoom 16x Sensitivity(typical) 30 IRE2 50 IRE2 Day Mode SensUP Off 1.2 lx 2.0 lx SensUP On (64x) 0.038 lx 0.063 lx Night Mode SensUP Off 0.06 lx 0.1 lx SensUP On (64x) 0.0018 lx 0.0031 lx Selectronic Shutter Speed 1x to 64x; 1/50 (1/60) to 1/10000 AES) Signal to Noise Ratio > 50 dB (AGC off) Sacklight Compensation On/Off White Balance ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	Field of View			
On/Off   On/Off	Automatic Gain Control	Normal, Medium, Hig	gh, Fixed	
16x   30   IRE   2   50   IRE   2	Synchronization	Internal	Internal	
30   RE   2   50   RE   2	Aperture Correction	On/Off		
Day Mode         1.2 lx         2.0 lx           SensUP Off         1.2 lx         2.0 lx           SensUP On (64x)         0.038 lx         0.063 lx           Night Mode         0.06 lx         0.1 lx           SensUP Off         0.0018 lx         0.0031 lx           SensUP On (64x)         0.0018 lx         0.0031 lx           Electronic Shutter Speed AES)         1x to 64x; 1/50 (1/60) to 1/10000           Signal to Noise Ratio         > 50 dB (AGC off)           Backlight Compensation         On/Off           White Balance         ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	Digital Zoom	16x		
SensUP Off	Sensitivity(typical) <sup>1</sup>	<b>30 IRE</b> <sup>2</sup>	<b>50 IRE</b> <sup>2</sup>	
SensUP On (64x)  Night Mode  SensUP Off  O.06 lx  O.0018 lx  O.0018 lx  O.0031 lx  SensUP On (64x)  Clectronic Shutter Speed AES)  Signal to Noise Ratio  Sacklight Compensation  White Balance  ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	Day Mode			
SensUP Off 0.06 lx 0.1 lx SensUP On (64x) 0.0018 lx 0.0031 lx Electronic Shutter Speed 1x to 64x; 1/50 (1/60) to 1/10000 AES) Signal to Noise Ratio > 50 dB (AGC off) Backlight Compensation On/Off White Balance ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	SensUP Off	1.2 lx	2.0 lx	
SensUP Off 0.06 lx 0.1 lx  SensUP On (64x) 0.0018 lx 0.0031 lx  Electronic Shutter Speed 1x to 64x; 1/50 (1/60) to 1/10000  AES)  Signal to Noise Ratio > 50 dB (AGC off)  Backlight Compensation On/Off  White Balance ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	SensUP On (64x)	0.038 lx	0.063 lx	
SensUP On (64x)  O.0018 lx  O.0031 lx  Electronic Shutter Speed AES)  Signal to Noise Ratio  Sacklight Compensation  White Balance  ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	Night Mode			
Electronic Shutter Speed 1x to 64x; 1/50 (1/60) to 1/10000 AES)  Signal to Noise Ratio > 50 dB (AGC off)  Backlight Compensation On/Off  White Balance ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	SensUP Off	0.06 lx	0.1 lx	
AES) Signal to Noise Ratio > 50 dB (AGC off) Backlight Compensation On/Off White Balance ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	SensUP On (64x)	0.0018 lx	0.0031 lx	
On/Off  White Balance  ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manual mode)	Electronic Shutter Speed (AES)	1x to 64x; 1/50 (1/60) to 1/10000		
White Balance ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual (adjustable R and B signals in Manua mode)	Signal to Noise Ratio	> 50 dB (AGC off)		
Extended ATW, Manual (adjustable R and B signals in Manua mode)	Backlight Compensation	On/Off		
Day/Night Monochrome, Color, Auto	White Balance	Extended ATW, Manual (adjustable R and B signals in Manual		
	Day/Night	Monochrome, Color,	Auto	

 $<sup>1.\,\</sup>mathsf{F}1.8,\,1/30\,(1/25)\,\mathsf{shutter},\,\mathsf{maximum}\,\mathsf{AGC}.$ 

# **Software Control**

Camera Setup/Control	Via Internet Explorer Web browser version 7.0 or later, Bosch Configuration Manager, or BVMS
Software Update	Firmware upload

<sup>2.</sup> Tinted bubble adds 0.8 f-stop loss.

# Network

Network	
Standards	H.264 (ISO/IEC 14496-10), M-JPEG, JPEG
Streaming	Individually configurable streams in H.264 and M-JPEG, configurable frame rate and bandwidth;
• 1080p30	One (1) H.264 1080p30 stream plus one (1) M-JPEG and one (1) I-frame stream
• 720p60	One (1) H.264 720p60 stream plus one (1) M-JPEG and one (1) I-frame stream
• 720p30	Two (2) independently configurable H.264 streams: One (1) H.264 720p30 stream, One (1) H.264 BP+ or H.264 MP SD stream, plus one (1) M-JPEG and one (1) I-frame stream
GOP Structure	IP, IBP, IBBP
Data Rate	9.6 kbps to 6 Mbps
Overall IP Delay	240 ms
Resolutions (H x V) a	nd Frame Rates
Stream 1	
• Full HD/1080p	1920 x 1080, 30 ips
• HD/720p	1280 x 720, 60 ips
• HD/720p	1280 x 720, 30 ips
Stream 2 <sup>3</sup>	
• SD/480p (WVG	(A) <sup>4</sup> 854 x 480, 30 ips
• SD/240p (WQV	(GA) <sup>4</sup> 432 x 240, 30 ips
4. Images displayed in 16:9  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
NTCIP Protocols	
<ul> <li>CCTV Camera Control</li> </ul>	NTCIP 1205
<ul> <li>Application Layer</li> </ul>	SNMP per NTCIP 1101:1996 & NTCIP 2301
<ul> <li>Transport/Net- work Layers</li> </ul>	TCP/IP per NTCIP 2202:2001
<ul> <li>Sub-network Layer</li> </ul>	PMPP (Point to Multi-Point Protocol) per NTCIP 2101:2001 & NTCIP 2102:2003
Ethernet	10-Base T/100 Base-TX, auto-sensing, half/full duplex, RJ45
PoE+	IEEE 802.3at, class 4
Mechanical/Electrica	ıl
Pan Range	0-360° continuous
Tilt Angle	0-93.6°
Variable Speed	Pan: 1°/s to 120°/s Tilt: 1°/s to 100°/s
D	D 2009/-

Pan:360°/s Tilt: 100°/s

Pre-position Speed

Preset Accuracy	± 0.1° typical
Rated Voltage	24 VAC ± 10%, 50/60 Hz or PoE+ (IEEE 802.3at, class 4)
Power Draw	17 W typical
Environmental	
Operating Temperature	e −10°C to 40°C (14°F to 104°F)
Storage Temperature	−20°C to 60°C (−4°F to 140°F)
Operating Humidity	0% to 90% relative, non-condensing
Miscellaneous	
Sectors/Titling	Eight (8) independent sectors with 20-character titles/sector
Masking	Fifteen (15) individually configurable privacy masks
Protocol Support	Bosch (OSRD), ONVIF
Pre-positions	64, each with 20-character titles
Preset Tour	One (1), consisting of up to 64 scenes, consecutively
Supported Languages	English, German, Dutch, French, Italian, Span- ish, Portuguese, Polish, Russian, Chinese, and Japanese
<b>User Connections</b>	
Power	
PoE+, Indoor Mo	odels RJ-45 100 Base-TX Ethernet PoE+ IEEE 802.3at, class 4
Camera, All Mod	lels 24 VAC, 50/60 Hz

PoE+, Indoor Models	RJ-45 100 Base-TX Ethernet PoE+ IEEE 802.3at, class 4
Camera, All 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
Audio	9 K Ohm typ, 5.5 Vp-p max
Construction	
Size (Diameter y Height)	450.0 400.0
Size (Diameter x Height)	153.0 x 133.0 mm (6.02 x 4.61 in.)
Bubble Size	
	(6.02 x 4.61 in.)
Bubble Size	(6.02 x 4.61 in.) 128.0 mm (5.04 in.)
Bubble Size Weight	(6.02 x 4.61 in.) 128.0 mm (5.04 in.)

White or Charcoal

Color

Oud silver befores of	
Ordering Information	
VJR-821-ICCV Indoor 10x AutoDome Junior HD with IVA, Charcoal, Clear Bubble, 60 Hz Indoor AutoDome Junior HD with IVA, char- coal, 10x day/night, 60 Hz camera with clear bubble	VJR-821-ICCV
VJR-811-ICCV Indoor 10x AutoDome Junior HD with IVA, Charcoal, Clear Bubble, 50 Hz Indoor AutoDome Junior HD with IVA, charcoal, 10x day/night, 50 Hz camera with clear bubble	VJR-811-ICCV
VJR-821-IWCV Indoor 10x AutoDome Junior HD with IVA, White, Clear Bubble, 60 Hz Indoor AutoDome Junior HD with IVA, white, 10x day/night, 60 Hz camera with clear bub- ble	VJR-821-IWCV
VJR-811-IWCV Indoor 10x AutoDome Junior HD with IVA, White, Clear Bubble, 50 Hz Indoor AutoDome Junior HD with IVA, white, 10x day/night, 50 Hz camera with clear bub- ble	VJR-811-IWCV
VJR-821-ICTV Indoor 10x AutoDome Junior HD with IVA, Charcoal, Tinted Bubble, 60 Hz Indoor AutoDome Junior HD with IVA, char- coal, 10x day/night, 60 Hz camera with tint- ed bubble	VJR-821-ICTV
VJR-811-ICTV Indoor 10x AutoDome Junior HD with IVA, Charcoal, Tinted Bubble, 50 Hz Indoor AutoDome Junior HD with IVA, charcoal, 10x day/night, 50 Hz camera with tinted bubble	VJR-811-ICTV
VJR-821-IWTV Indoor 10x AutoDome Junior HD with IVA, White, Tinted Bubble, 60 Hz Indoor AutoDome Junior HD with IVA, white, 10x day/night, 60 Hz camera with tinted bub- ble	VJR-821-IWTV
VJR-811-IWTV Indoor 10x AutoDome Junior HD with IVA, White, Tinted Bubble, 50 Hz Indoor AutoDome Junior HD with IVA, white, 10x day/night, 50 Hz camera with tinted bubble	VJR-811-IWTV
Accessories	
<b>UPA-2450-60 Power Supply</b> 120 VAC, 60 Hz, 24 VAC, 50 VA Out	UPA-2450-60
UPA-2450-50 Power Supply 220 VAC, 50 Hz, 24 VAC, 50 VA Out For use with certain 24 VAC camera models.	UPA-2450-50
VJR-A3-IC AutoDome Junior HD Indoor Inceiling Mount	VJR-A3-IC

Ordering Information	
VJR-A3-SP AutoDome Junior HD In-ceiling Support Kit	VJR-A3-SP
<b>VEZ-A2-JC Surface Mount Adapter</b> Charcoal adapter for AutoDome Junior surface installations	VEZ-A2-JC
<b>VEZ-A2-JW Surface Mount Adapter</b> White adapter for AutoDome Junior surface installations	VEZ-A2-JW
<b>VEZ-A2-PC AutoDome Junior Pipe Mount</b> Charcoal	VEZ-A2-PC
<b>VEZ-A2-PW AutoDome Junior Pipe Mount</b> White	VEZ-A2-PW
<b>VEZ-A2-WC AutoDome Junior Wall Mount</b> Charcoal	VEZ-A2-WC
<b>VEZ-A2-WW AutoDome Junior Wall Mount</b> White	VEZ-A2-WW
VJR-SBUB2-CL AutoDome Junior HD Clear Bubble	VJR-SBUB2-CL
VJR-SBUB2-TI AutoDome Junior HD Tinted Bubble	VJR-SBUB2-TI
VJR-A3-IC54 AutoDome Junior HD Plenum-rated In-ceiling Mount	VJR-A3-IC54
Software Options	
MVC-FIVA4-CAM IVA 4.x VCA software license for IP camera/ dome (e-license)	MVC-FIVA4-CAM
MVC-FENC-AES BVIP AES 128 Bit Encryption BVIP AES 128-bit encryption site license. This license is required only once per installation. It enables encrypted communication between BVIP devices and management stations.	MVC-FENC-AES

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