The AUTODOME ITS Series is an easy-to-install, high-speed PTZ HD dome camera in a field-proven indoor/outdoor housing. The camera delivers unmatched picture quality and network performance day/night and has full built-in support for the NTCIP protocol used in transportation applications. The camera 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. It also provides direct network video streaming using H.264 compression / bandwidth throttling to efficiently manage bandwidth and storage requirements while delivering outstanding image quality.

The AUTODOME ITS Series conforms to the National Transportation Communications for ITS Protocol (NTCIP) specification. NTCIP conformance ensures that the AUTODOME camera integrates with transportation management devices.

**Functions**

**High-performance PTZ day/night camera**

The HD model has a large sensor area that contributes to high camera sensitivity. The camera can be configured to operate in 720p50/60 mode for capturing fast motion (for example, in traffic or gaming scenarios). The default 1080p25/30 mode delivers high-resolution images with six times more details than a standard definition (SD) camera.

The camera features Wide Dynamic Range (WDR) technology that allows for the capture of clear image reproduction from both bright and dark areas in the same frame. WDR ensures that bright areas are not saturated and that dark areas are not too dark.

Day/night capabilities and outstanding sensitivity make the IP model an exceptional performer in all lighting conditions. In low light, the camera switches automatically from color to monochrome by removing the IR filter to boost the infrared illumination sensitivity while maintaining superior image quality.
The camera supports 256 pre-positions and two styles of Guard Tours: Preset and Record/Playback. Users can configure the preset standard tour with as many as 256 sequential pre-positions, with a configurable dwell time between pre-positions. The camera also provides support for two recorded tours, which are recorded macros of an operator’s movements, including pan, tilt, and zoom activities, and can be played back with the click of a button. Pan and tilt preset repeatability are accurate to within ±0.1 degrees to ensure that the correct scene is captured every time. The camera delivers variable pan/tilt speeds from a crawl speed of only 0.1 degrees per second to a full 400 degrees per second. The camera is capable of pan speeds of 400 degrees per second and tilt speeds of 300 degrees per second between pre-positions. The camera provides a tilt angle 18 degrees above the horizon, 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.

Five pre-programmed but configurable user modes, optimized with the best settings for a variety of typical applications, make on-site programming easy and user-friendly. Users select from the menu the mode that best defines the environment in which the camera is installed:
- **Outdoor** – General day-to-night changes with sun highlights and street lighting
- **Indoor** – Ideal mode for indoor applications where lighting is constant and not changing
- **Low light** – Optimized for sufficient details at low light
- **Motion** – Monitoring traffic or fast moving objects; motion artifacts are minimized
- **Vibrant** – Enhanced contrast color reproduction and sharpness

Users have the ability to customize these modes, if necessary, for the specific requirements of the site.

The camera supports three modes for Intelligent Tracking:
- **Auto mode**: When configured in this mode, the camera actively analyzes the video to detect any moving object. If it detects movement, it begins to track the object. This mode is most useful for scenarios where no motion is expected in the scene.
- **Click mode**: In this mode, users can click an object moving in the live video image to enable the camera to track the movement of the selected object. This mode is most useful for scenarios where normal scene activity is expected.
- **IVA-triggered mode**: In this mode, the camera continuously analyzes the scene for IVA alarms or IVA rule violations. If an IVA rule is violated, it triggers the advanced tracking feature of the camera to start following the object/person that triggered the alarm. This unique combination of robust IVA and Intelligent Tracking allows the camera to track moving objects of interest without getting distracted by other moving objects in the scene.

The camera provides 24 individual, easy to configure privacy masks, with up to 8 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 in most cases.
Intelligent Defog
Users can configure the mode to be active continuously, or to activate automatically when the video analytics in the camera detect fog and add light to the video image (and then deactivate when the fog clears or the scene changes).

Comprehensive streaming capabilities on Bosch’s Common Product Platform (CPP4)
The camera has an advanced, efficient H.264 encoder (CPP4) embedded for high-quality streaming video and very efficient streaming and network capabilities. The new platform supports simultaneous streaming of individually configurable streams [SD (H.264 and M-JPEG) or HD] and allows a choice of resolution [SD, or HD in combination of SD resolutions].

Recording and storage management
A memory card (SD (Secure Digital), SDHC (Secure Digital High Capacity), or SDXC (Secure Digital eXtended Capacity)) can be used for local alarm recording or for scheduled local recording to improve the overall recording reliability. Recording management can be controlled by the Bosch Video Recording Manager (VRM), or the camera can use iSCSI targets directly without any recording software. The camera offers Quality of Service (QoS) configuration options to ensure fast network response to PTZ data and images. Quality of Service (QoS) is the set of techniques to manage network resources. QoS manages the delay, delay variation (jitter), bandwidth, and packet loss parameters to guarantee the ability of a network to deliver predictable results. QoS identifies the type of data in a data packet and divides the packets into traffic classes that can be prioritized for forwarding.

Dual power options
All AUTODOME starlight models can be powered by either a PoE+ (IEEE 802.3at)-capable network switch or a High PoE midspan. In a PoE configuration, a single cable connection provides power while simultaneously supporting data and video transmission. For additional system reliability, users can connect 24 VAC power and PoE to provide fully redundant power to the camera without disruption to operation.

Ease of installation and servicing
The camera has been designed for quick and easy installation, a key feature from Bosch IP video products. All housings feature recessed screws and latches for increased tamper resistance. Indoor/outdoor pendant housings are rated to provide IP66 protection and offer an operating temperature range down to -40 °C (-40 °F). The indoor/outdoor pendant comes fully assembled with a sunshield and ready for wall or pipe applications with the proper mounting hardware (sold separately). You can easily convert the outdoor pendant for indoor applications by removing the sunshield.

Bosch offers a full complement of hardware and accessories (sold separately) for wall, corner, mast, roof, and pipe mounts for indoor and outdoor environments, which allow the camera to be adapted easily to individual site requirements.

Video management system support
The camera ships with Bosch Video Client (BVC), an easy-to-use software from Bosch that is suitable for midsize installations. For large enterprise systems, AUTODOME cameras can be used with Bosch Video Management System (BVMS), which allows enhanced video management and viewing capabilities. In addition, the camera is supported/integrated into all of the leading third party video management systems.

ONVIF conformed
The AUTODOME Series conforms to the ONVIF Profile S specification allowing easy integration with the conformed devices and VMS. For more information about ONVIF, visit www.onvif.org. The camera conforms to the ONVIF (Open Network Video Interface Forum) specification which guarantees interoperability between network video products regardless of manufacturer. ONVIF conformed devices are able to exchange live video, audio, metadata and control information. They are automatically discovered and connected to network applications such as video management systems.

Fiber Optic Kit
Bosch offers the optional VG4-SFPSCKT, a unique media converter module for use with various Bosch devices. This media converter module is designed to accept a wide-range of 10/100 Mbps SFP modules for use with Multimode or Single-mode optical fiber with LC or SC connectors. The media converter module along with the SFP module is user-installed directly into the camera’s power supply box to provide an integrated fiber optic solution. As with all Bosch products, the camera is designed using the industry’s best design process and is subjected to the most stringent testing standards such as HALT (highly accelerated life testing), which pushes the limits of products to ensure reliability throughout their lifetime.

Data security
Special measures have been put in place to ensure the highest level of security for device access and data transport. The three-level password protection with security recommendations allows users to customize device access. Web browser access can be protected using HTTPS and firmware updates can also be protected with authenticated secure uploads. The on-board Trusted Platform Module (TPM) and Public Key Infrastructure (PKI) support, guarantee superior protection from malicious attacks. The 802.1x
network authentication with EAP/TLS, supports TLS 1.2 with updated cipher suites including AES 256 encryption.

The advanced certificate handling offers:
- Self-signed unique certificates automatically created when required
- Client and server certificates for authentication
- Client certificates for proof of authenticity
- Certificates with encrypted private keys

Unsurpassed reliability
As with all Bosch products, the camera is designed using the industry's best design process and is subjected to the most stringent testing standards such as HALT (highly accelerated life testing), which pushes the limits of products to ensure reliability throughout their lifetime.

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, 30, 50 and 60 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

Technical specifications

<table>
<thead>
<tr>
<th>VG5-ITS1080P-30X5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imager</td>
</tr>
<tr>
<td>Effective Picture Elements (Pixels)</td>
</tr>
<tr>
<td>Lens</td>
</tr>
<tr>
<td>Field of View (FOV)</td>
</tr>
<tr>
<td>Focus</td>
</tr>
<tr>
<td>Iris</td>
</tr>
<tr>
<td>Digital Zoom</td>
</tr>
</tbody>
</table>

Video performance - Sensitivity
(3100K, reflectivity 89%, 1/30, F1.6, 30 IRE)
- Color | 0.0077 lx |
- Monochrome | 0.0008 lx |

Additional Camera Settings

- Gain control | AGC, Fixed |
- Aperture Correction | Horizontal and vertical |
- Electronic Shutter Speed (AES) | 1/1 sec to 1/10000 sec (22 steps) |
- Signal-to-Noise Ratio (SNR) | >55 dB |
- Day/Night switch | Automatic IR cut filter |
- Backlight compensation (BLC) | On / Off / Intelligent Auto Exposure (IAE) |
- White balance | 2000 K to 10,000 K ATW, AWB Hold, Extended ATW, Manual, Sodium Lamp Auto, Sodium Lamp |
- Day/Night | Monochrome, Color, Auto |
- Defog mode feature | Improves visibility when viewing foggy or other low-contrast scenes. |

Notice
Conformity to EN 50130-4
One of the following power supply units is required to conform to the EN 50130-4 standard: VG4-A-PSU0, VG4-A-PSU1, VG4-A-PSU2, VG4-A-PA0, VG4-A-PA1, or VG4-A-PA2.
### Dynamic range

<table>
<thead>
<tr>
<th>Mode</th>
<th>Dynamic Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>High dynamic range</td>
<td>120 dB WDR (theoretical)</td>
</tr>
<tr>
<td>(HDR) Mode</td>
<td>94 dB (measured according to IEC 62676 Part 5)</td>
</tr>
</tbody>
</table>

### Mechanical

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pan Range</td>
<td>360° cont.</td>
</tr>
<tr>
<td>Tilt Angle</td>
<td>18° above horizon</td>
</tr>
</tbody>
</table>
| Pre-position Speed | Pan: 400°/s  
Tilt: 300°/s |
| Pan/Tilt Modes     |                  |
| Turbo Mode         | Pan: 0.1°/s – 400°/s  
Tilt: 0.1°/s – 300°/s |
| Normal Mode        | 0.1°/s-120°/s    |
| Preset Accuracy    | ± 0.1° typ.     |

### Electrical

| Input Voltage       | 21-30 VAC, 50/60 Hz; (class II)  
High PoE (with Bosch 60 W midspan) |
| Power Consumption, typical | 60 W / 69 VA (heaters on)  
or 24 W / 44 VA (heaters off) |

### Surge Suppression

| Protection          | Peak current 17 A, peak power 300 W (8/20 μs)  
Protection on Alarm Inputs |
| Protection          | Peak current 2 A, peak power 300 W (8/20 μs)  
Protection on Alarm Outputs |
| Protection          | Peak current 7.3 A, peak power 600 W (10/1000 μs)  
Protection on Relay Output |
| Protection          | Peak current 7.3 A, peak power 600 W (10/1000 μs)  
Protection on Power Input (Dome) |
| Protection          | Peak current 21.4 A, peak power 1500 W (10/1000 μs)  
Protection on Power Output (Arm Power Supply) |
| 10/100 Ethernet Data Lines | Peak current 14 A, peak power 200 W (8/20 μs) |

### Software Control

| Camera Setup/Control | Via web browser (such as Internet Explorer version 7.0 or later), Bosch Configuration Manager, Bosch Video Management System (BVMS), Bosch Recording Station (BRS), or Bosch Video Client (BVC) |
| Software Update      | Network firmware upload |

### Network

| Video Compression | H.264 (ISO/IEC 14496-10), MJPEG |

#### Encoding / Streaming

<table>
<thead>
<tr>
<th>Scenario</th>
</tr>
</thead>
<tbody>
<tr>
<td>H.264</td>
</tr>
</tbody>
</table>

#### Resolutions (H x V)

<table>
<thead>
<tr>
<th>HD Resolutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1080p HD</td>
</tr>
<tr>
<td>720p HD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Down-scaled SD streams</th>
</tr>
</thead>
<tbody>
<tr>
<td>432p SD</td>
</tr>
<tr>
<td>288p SD</td>
</tr>
<tr>
<td>144p SD</td>
</tr>
<tr>
<td>Corridor mode</td>
</tr>
<tr>
<td>D1 4:3 cropped</td>
</tr>
</tbody>
</table>
### Protocols
- IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), 802.1x, DNS, DNSv6, DDNS (Dyn.com, selfHOST.de, no-ip.com), SMTP, iSCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication

### NTCIP Protocols
- CCTV Camera Control
- Application Layer: SNMP per NTCIP 1101:1996 & NTCIP 2301
- Transport/Layer: TCP/IP per NTCIP 2202:2001

### Advanced Networking
- IPv6, QoS

### Ethernet
- 10-Base T/100 Base-TX, auto-sensing, half/full duplex, RJ45

### Encryption
- TLS 1.0, SSL, DES, 3DES, AES

### GOP Structure
- IP, IBP, IBBP

### Data Rate
- 9.6 kbps to 6 Mbps

### Overall IP Delay
- 240 ms

### Signal-to-Noise
- >50 dB

### Audio
- Standard: G.711, 8 kHz sampling rate
- L16, 16 kHz sampling rate
- AAC, 16 kHz sampling rate
- Signal-to-Noise Ratio: >50 dB
- Audio Streaming: Bidirectional (full-duplex)

### Local Storage
- Memory Card Slot: User-supplied SD/SDHC/SDXC memory card (maximum 2TB – SDXC)
- Recording: Continuous recording of video and audio, alarm/events/schedule recording

### Fiber Optic Kit
- VG4-SFPSCKT
- Description: Fiber Optic Ethernet Media Converter kit. Requires a small form-factor pluggable (SFP) module (sold separately).
- Data Interface: Ethernet

### Data Rate
- 10/100 Mbps
- IEEE 802.3 Compliant
- Full Duplex or Half Duplex Electrical Port
- Full Duplex Optical Port

### Compatible Receiver
- CNFE2MC

### Installation
- Installed inside a VG4-A-PA0, VG4-A-PA1, VG4-A-PA2, VG4-A-PSU1, or a VG4-A-PSU2 power supply box with supplied mounting hardware

### SFP Modules
- Description: Interchangeable modules available for use with MMF or SMF optical fiber.
- Data Interface: Ethernet
- Data Rate: 10/100 Mbps
- IEEE 802.3 Compliant

### Weight (all SFP modules)
- 0.23 kg (0.05 lb)

### Dimensions (LxWxH)
- SFP-2, SFP-3: 55.5 x 13.5 x 8.5 mm (2.2 x 0.5 x 0.3 in.)
- SFP-25, SFP-26: 63.8 x 13.5 x 8.5 mm (2.5 x 0.5 x 0.3 in.)

### Type
- Connector
- Wavelength (transmit/receive)
- Max. Distance

<table>
<thead>
<tr>
<th>Type</th>
<th>Connector</th>
<th>Wavelength (transmit/receive)</th>
<th>Max. Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFP-2</td>
<td>MMF</td>
<td>Duplex LC</td>
<td>2 km (1.2 miles)</td>
</tr>
<tr>
<td>SFP-3</td>
<td>SMF</td>
<td>Duplex LC</td>
<td>20 km (12.4 miles)</td>
</tr>
<tr>
<td>SFP-25</td>
<td>MMF</td>
<td>Single SC</td>
<td>2 km (1.2 miles)</td>
</tr>
<tr>
<td>SFP-26</td>
<td>MMF</td>
<td>Single SC</td>
<td>2 km (1.2 miles)</td>
</tr>
</tbody>
</table>

### Optical Fiber Compatibility, MMF
- 50/125 µm MMF. For 50/125 µm fiber, subtract 4 dB from the specified optical budget value. Must meet or exceed fiber standard ITU-T G.651.

### Optical Fiber Compatibility, SMF
- 8–10/125 µm SMF. Must meet or exceed fiber standard ITU-T G.652.

### Optical Distance Specifications
- Specified transmission distances are limited to the optical loss of the fiber and any additional loss introduced by connectors, splices, and patch panels. The modules are designed to operate over the entire optical loss budget range, so they do not require a minimum loss in order to operate.
## Miscellaneous

<table>
<thead>
<tr>
<th>Sectors / Title</th>
<th>16 independent sectors with 20 characters per title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privacy Masks</td>
<td>24 individually configurable privacy masks</td>
</tr>
<tr>
<td>Virtual Masks</td>
<td>24 individually configurable masks to hide parts of the scene (background motion such as moving trees, pulsating lights, busy roads, etc.) which should not be considered for flow analysis to trigger Intelligent Tracking.</td>
</tr>
<tr>
<td>Prepositions</td>
<td>256, each with 20 characters per title</td>
</tr>
</tbody>
</table>
| Guard Tours             | Two (2) types of tours:  
  - Recorded tours - two (2), maximum total duration 30 minutes (depending on amount of commands sent during recording)  
  - Preset tour - one (1), consisting of up to 256 scenes consecutively, and (1) customized up to 64 scenes |
| Supported Languages     | English, Czech*, Dutch, French, German, Italian, Polish, Portuguese, Russian*, Spanish, Japanese, Chinese  
  * Available with separate/language upload |
| Protocol Support        | Bosch (OSRD), ONVIF, NTCIP                          |
| Compass Direction       | 8 direction points, on/off                         |
| Absolute Position       | Displays in 0-359° AZ and +17° to -95° EL, on/off   |
| Custom logo             | File format: .bmp; 8 bit (256 colors), 128x128 pixels maximum |
| Camera titles           | Twenty-character, two-line and three-line camera titles (on the OSD), with configurable text colors, that display either the options for Azimuth/Elevation/Compass/Zoom, or the camera title and compass data |

## User Connections

<table>
<thead>
<tr>
<th>Power, Camera</th>
<th>RJ-45 10/100 Base-TX Ethernet (High Power-over-Ethernet [High PoE]) or PoE+ (IEEE 802.3at, class 4 standard) 21-30 VAC, 50/60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power, Heater</td>
<td>RJ-45 10/100 Base-TX Ethernet (High Power-over-Ethernet [High PoE]) 21-30 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>Video and Control</td>
<td>RJ-45 10/100 Base-TX Ethernet</td>
</tr>
<tr>
<td>Alarm Inputs (7)</td>
<td>2 supervised, 5 non-supervised Programmable for “normally open” or “normally closed”</td>
</tr>
<tr>
<td>Alarm Outputs (4)</td>
<td>1 dry contact relay, 3 open collector/transistor outputs 32 VDC @ 150 ma max.</td>
</tr>
</tbody>
</table>

## Audio

| Signal line in           | 12 kOhm typical, 1 Vrms max                                      |
| Signal line out          | 1 Vrms at 1.5 kOhm, typical                                      |

## Environmental

<table>
<thead>
<tr>
<th>Ingress Protection Rating/Standard</th>
<th>IP66⁷</th>
</tr>
</thead>
</table>
| NEMA 4X                            | • Access to Hazardous parts  
  - Ingress of solid foreign objects (falling dirt, circulating dust, settling dust)  
  - Ingress of water (dripping and light splashing, hose down and splashing)  
  - Corrosive agents |
| Operating Temperature              | -40 °C to +55 °C (-40 °F to +131 °F) or  
  -10 °C to +55 °C (+14 °F to +131 °F)⁵ |
| Storage Temp.                      | -40°C to 60°C (-40°F to 140°F)                                   |
| Humidity                           | 0% to 100% relative, condensing                                 |
| NEMA TS 2-2003 (R2008), para 2.1.5.1 using fig. 2.1 test profile | -34 °C to +74 °C (-30 °F to +165 °F) |

## Construction

| Dimensions                      | See dimensional drawings                                      |
| Weight                           | 3.06 kg (6.75 lb)                                            |
| Bubble Size                      | 153.1 mm diameter (6.03 in.)                                 |
| Construction Material            |  
  - Housing: Cast aluminum                                      |
  - Bubble: Pendant: High-resolution acrylic or rugged polycarbonate |
| Standard Color                   | White (RAL 9003)                                             |
| Standard Finish                  | Powder coated, sand finish                                    |

## Mounts/Accessories

| Bubbles                          | Clear high-resolution acrylic (Included with pendant camera models.) |
|                                  | VGA-BUBBLE-PCLA                                                   |

**Note:** Polycarbonate bubbles are not recommended for use with HD products because of optical degradation.
<table>
<thead>
<tr>
<th><strong>Pendant Arm Mounts</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Arm (No Transformer)</td>
<td>VG4-A-PA0</td>
</tr>
<tr>
<td>Wall Arm (120/230 VAC Transformer)</td>
<td>VG4-A-PA1 / VG4-A-PA2</td>
</tr>
<tr>
<td>Pendant Arm with Wiring</td>
<td>VGA-PEND-ARM</td>
</tr>
<tr>
<td>Mounting plate for VGA-PEND-ARM</td>
<td>VGA-PEND-WPLATE</td>
</tr>
<tr>
<td>Trim skirt for VG4 Series Power Supplies</td>
<td>VG4-A-TSKIRT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Optional Mounting Plates for Arm Mounts</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Corner Mounting Plate</td>
<td>VG4-A-9542</td>
</tr>
<tr>
<td>Mast (Pole) Mounting Plate</td>
<td>VG4-A-9541</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Pendant Pipe Mounts</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe Mount Cap</td>
<td>VG4-A-9543</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Pendant Roof Mounts</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Roof (Parapet) Mount</td>
<td>VGA-ROOF-MOUNT</td>
</tr>
<tr>
<td>(VG4-A-9543 Pipe Mount Cap required. Available separately.)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Optional Mounting Plates for Roof Mounts</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat Roof Adapter for Parapet Mount</td>
<td>LTC 9230/01</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Power Supplies</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>High PoE Midspan 60W, single port, AC in</td>
<td>NPD-6001B</td>
</tr>
<tr>
<td>Outdoor Power Supply Box, no transformer</td>
<td>VG4-A-PSU0</td>
</tr>
<tr>
<td>Outdoor Power Supply Box (120/230 VAC Transformer)</td>
<td>VG4-A-PSU1 / VG4-A-PSU2</td>
</tr>
<tr>
<td>Fiber Optic Kit</td>
<td>VG4-SFPSCKT</td>
</tr>
</tbody>
</table>

---

**Dimensional Drawings**

**Dimensions - Pendant, Pipe mounts**

1. Power supply box and sunshield
2. Sunshield removed
3. Mounting plate
4. Power supply box
5. Trim skirt
6. SD card slot (1)
Ordering information

VG5-ITS1080P-30X5 PTZ dome 2MP 30x IVA TS-2 pendant ITS
Superb quality indoor/outdoor IP PTZ dome camera
ITS Series.1080p HD resolution; 30x optical zoom; IVA;
PoE; iSCSI/SD; multiple pre-programmed user modes;
H.264 quad-streaming (CPP4); IP66; pendant mount,
clear bubble
Order number VG5-ITS1080P-30X5

NPD-6001B High PoE midspan
High PoE Midspan, 60 W, single port, AC in
Order number NPD-6001B

Accessories

VG4-A-PA0 Pendant Arm Mount
Pendant arm mount with power supply box for an
AUTODOME Series camera, no transformer, white
Order number VG4-A-PA0

VG4-A-PA1 Pendant Arm Mount with 120 VAC Transformer
Pendant arm mount with power supply box for an
AUTODOME Series camera with a 120 VAC transformer, white
Order number VG4-A-PA1

VG4-A-PA2 Pendant Arm Mount with 230 VAC Transformer
Pendant arm mount with power supply box for an
AUTODOME Series camera with a 230 VAC transformer, white
Order number VG4-A-PA2

VG4-SFPSCKT Fiber Optic Ethernet Media Converter Kit
Ethernet media converter video transmitter/data receiver fiber optic kit
Order number VG4-SFPSCKT

SFP-2 Small Form-factor Pluggable Optical Interface
SFP Fiber Optic Module, Multi-mode, 1310 nm, 2 km (1.2 miles), 2 LC connectors
Order number SFP-2

SFP-3 Small Form-factor Pluggable Optical Interface
SFP Fiber Optic Module, Single-mode, 1310 nm, 20 km (12.4 miles), 2 LC connectors
Order number SFP-3

SFP-25 Small Form-factor Pluggable Optical Interface
SFP Fiber Optic Module, Multi-mode, 1310/1550 nm, 2 km (1.2 miles), 1 SC connector
Order number SFP-25

SFP-26 Small Form-factor Pluggable Optical Interface
SFP Fiber Optic Module, Multi-mode, 1550/1310 nm, 2 km (1.2 miles), 1 SC connector
Order number SFP-26

VGA-PEND-ARM Pendant Arm with Wiring
Compatible with an AutoDome Series pendant housing
Order number VGA-PEND-ARM

VGA-PEND-WPLATE Mounting Plate
Mounting plate for VGA-PEND-ARM, compatible with an AutoDome Series camera
Order number VGA-PEND-WPLATE

VGA-ROOF-MOUNT Roof Mount
Roof parapet mount, white (VG4-A-9543 Pipe Mount Cap required. Available separately.)
Order number VGA-ROOF-MOUNT

LTC 9230/01 Flat Roof Mount Adapter
For mounting a unit in an upright position on a flat surface for roof parapet mount VGA-ROOF-MOUNT
Order number LTC 9230/01

VG4-A-9541 Pole Mount Adapter
Pole mount adapter for an AUTODOME pendant arm or a DINION imager, designed for poles with a diameter of 100-380 mm (4-15 in.), white
Order number VG4-A-9541

VG4-A-9542 Corner Mount Adapter
Corner mount adapter for an AUTODOME pendant arm or a DINION imager
Order number VG4-A-9542

VG4-A-9543 Pipe Mount
Pipe mount, white, for an AutoDome Series pendant housing
Order number VG4-A-9543

VG4-A-PSU0 24 VAC Power Supply Unit
Power supply, 24 VAC input, for a PTZ camera in the AUTODOME Series. White, aluminum enclosure with cover, rated IP66 and IK 08. 100 W output. Optional trim skirt (sold separately).
Order number VG4-A-PSU0

VG4-A-PSU1 120 VAC Power Supply Unit
Power supply with transformer, 120 VAC input, for an AUTODOME or MIC7000 Series PTZ camera. White, aluminum enclosure with cover, rated IP66 and IK 08. 100 W output. Optional trim skirt (sold separately).
Order number VG4-A-PSU1

VG4-A-PSU2 230 VAC Power Supply Unit
Power supply with transformer, 230 VAC input, for an AUTODOME or MIC7000 Series PTZ camera. White, aluminum enclosure with cover, rated IP66 and IK 08. 100 W output. Optional trim skirt (sold separately).
Order number VG4-A-PSU2

VGA-SBOX-COVER Cover for AutoDome Power Supply Boxes
Order number VGA-SBOX-COVER

VG4-A-TSKIRT Trim Skirt for AutoDome Power Supply Boxes
Trim skirt for the following AutoDome Series power supply boxes: VG4-A-PSU0, VG4-A-PSU1, and VG4-A-PSU2
Order number VG4-A-TSKIRT
**VGA-BUBBLE-PCLA Clear High-resolution Bubble for a Pendant Housing**
Low-impact acrylic bubble
Order number VGA-BUBBLE-PCLA

**VGA-BUBBLE-PTIA Tinted High-resolution Bubble for a Pendant Housing**
Low-impact acrylic bubble
Order number VGA-BUBBLE-PTIA

**VGA-BUBHD-CCLA Clear HD High-Resolution Acrylic Bubble for In-Ceiling AUTODOME cameras**
Order number VGA-BUBHD-CCLA

**VGA-BUBHD-CTIA Tinted HD High-Resolution Acrylic Bubble for In-Ceiling AUTODOME cameras**
Order number VGA-BUBHD-CTIA

**VGA-BUBBLE-IK10 Bubble, pendant, IK10-rated**
IK10-rated bubble qualified for use with AUTODOME 7000 HD cameras with pendant housings
Order number VGA-BUBBLE-IK10

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