The AutoDome Easy IP combines a high performance pan/tilt unit, compact mini dome housing, and a state-of-the-art autofocus zoom camera into a single unit. This rugged, compact and easy to install PTZ camera system has been specifically designed for discrete IP-based video surveillance applications in indoor environments.

**Easy IP Series highlights**
With real-time streaming at resolutions up to 4CIF, AutoDome Easy IP captures all the details. More detail typically means increased bandwidth, larger storage requirements, and increased costs but not with AutoDome Easy IP. Bosch's advanced H.264 compression technology used in Easy IP reduces bandwidth and storage needs by up to 30% compared to traditional MPEG-4 IP cameras.

AutoDome Easy IP’s dome diameter is less than 4 inches (10 cm), about 70% smaller than traditional PTZ cameras and 20% smaller than other compact domes. These compact dimensions make AutoDome Easy IP ideal for discrete surveillance applications. Even though it’s small, AutoDome Easy IP still delivers many of the features found on full-size PTZ cameras. Variable pan and tilt speeds, and autopivot ensure optimal camera control and viewing at all zoom levels.

The high-performance 100x (10x optical/10x digital) zoom autofocus camera incorporates the latest digital imaging technology to deliver excellent sensitivity and resolution. With 60 user-defined presets, 4 preset tours, and multiple autoscan modes, AutoDome Easy IP is not small on features. A single AutoDome IP Easy provides as much coverage as four fixed mini domes at half the cost of a traditional PTZ dome camera. And AutoDome IP Easy is simple to install and use. Available with surface, wall and pipe mount options, AutoDome Easy IP can be mounted nearly anywhere. Intuitive set-up menus make dome configuration quick and easy.

**Functions**

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

**Ultra-efficient H.264 encoding**
AutoDome Easy 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 IP supports 4CIF, 2CIF, and CIF resolutions at frame rates up to 25 and 30 images per second (for PAL and NTSC respectively).

Dual-streaming video
AutoDome Easy IP is capable of generating one H.264 and one JPEG stream simultaneously. This 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.

iSCSI device support
Built-in iSCSI support allows AutoDome Easy 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.

Alarm management
AutoDome Easy IP can be configured to send alarm notifications via e-mail for powerful, flexible alarm management. Each e-mail notification contains a text description of the alarm as well as a digital image of the event.

Network-based control and configuration
The AutoDome Easy 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 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 IP provides as much coverage as four fixed domes, but at half the cost of a traditional PTZ IP dome camera. Not only is your initial investment smaller, but installation and maintenance costs are reduced as well.

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

As with all Bosch products, AutoDome Easy IP has been subjected to the industry’s most comprehensive and demanding battery of endurance tests to make sure it will hold up through years of use. And of course it comes with Bosch’s industry-leading 3-year warranty.

Ease of installation and servicing
AutoDome Easy IP has been designed for quick and easy installation. The dome comes fully assembled and ready for surface mount applications. Available wall and pipe mount kits allow AutoDome Easy IP to easily be adapted for the individual site requirements. Available in white or charcoal. An intuitive set-up menu structure and multiple language support make dome configuration quick and easy. Supported on-screen display menu languages include: English, Spanish, and French.

Certifications and approvals

<table>
<thead>
<tr>
<th>Electromagnetic Compatibility (EMC)</th>
<th>Complies with FCC Part 15, ICES-003, and CE regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Safety</td>
<td>Complies with CE regulations, UL, CSA, EN, and IEC Standards</td>
</tr>
</tbody>
</table>

Region Certification

<table>
<thead>
<tr>
<th>Region</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>CE</td>
</tr>
</tbody>
</table>

Installation/configuration notes

Ordering Guide

1 Video Format
1. PAL
2. NTSC

2 Camera Type
1. Color (10X)

4 Color
C Charcoal
W White

5 Bubble
C Clear
### Technical specifications

#### Camera 10x Color

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Imager</strong></td>
<td>1/4 in. SuperHAD Color CCD</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>10x Zoom (3.15–31.5 mm)</td>
</tr>
<tr>
<td><strong>Focus</strong></td>
<td>Automatic with manual override</td>
</tr>
<tr>
<td><strong>Iris</strong></td>
<td>Automatic with manual override (F1.8 to F32)</td>
</tr>
<tr>
<td><strong>Field of View</strong></td>
<td>Approx. 6.5° (TELE end) to 48° (Wide end)</td>
</tr>
<tr>
<td><strong>Video Output</strong></td>
<td>1.0 Vp-p, 75 Ohm</td>
</tr>
<tr>
<td><strong>Gain Control</strong></td>
<td>AGC on/off (30dB max)</td>
</tr>
<tr>
<td><strong>Synchronization</strong></td>
<td>Internal/external (line-lock auto switching)</td>
</tr>
<tr>
<td><strong>Digital Zoom</strong></td>
<td>10x</td>
</tr>
<tr>
<td><strong>Sensitivity</strong> (typical, measured internally)</td>
<td>30 IRE</td>
</tr>
<tr>
<td><strong>Shutter</strong></td>
<td>Auto (1/60 NTSC (1/50 PAL) to 1/10000), manual, flickerless</td>
</tr>
</tbody>
</table>

#### Mechanical/Electrical

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Weight</strong></td>
<td>1.15 kg (2.53 lb)</td>
</tr>
<tr>
<td><strong>Pan Range</strong></td>
<td>0–359°</td>
</tr>
<tr>
<td><strong>Tilt Angle</strong></td>
<td>0–90°</td>
</tr>
<tr>
<td><strong>Pan Speed</strong></td>
<td>120°/s max</td>
</tr>
<tr>
<td><strong>Tilt Speed</strong></td>
<td>120°/s max</td>
</tr>
<tr>
<td><strong>Preset Accuracy</strong></td>
<td>± 1° typ.</td>
</tr>
</tbody>
</table>

#### Surface Mount Dimensions

- **Ø 124**
- **Ø 107**
- **Ø 94**
- **Ø 139**

#### Pipe Mount Dimensions

- **723.9 (28.25) or 518.16 (20.4) or 416.56 (16.4)**

#### Wall Mount Dimensions

- **263 (10.4) (in.)**
- **207 (8.13) (in.)**
- **150 (5.9) (in.)**
- **82 (3.2) (in.)**
- **46 (1.8) (in.)**
**Rated Voltage**  
12 VDC / 24 VAC  
50/60 Hz

**Voltage Range**  
10.8 to 13.2 VDC  
21.6 to 26.4 VAC

**Power Draw: (typ.)**  
24 VAC input: 24 VA / 12 W  
12 VDC input: 12 W

**Video**

**Video Standards**  
H.264 (MPEG-4 Part 10, AVC); M-JPEG

**GOP Structure**  
I, IP

**Data Rate**  
9.6 kbps to 6 Mbps

**Resolutions and Frame Rates**

<table>
<thead>
<tr>
<th>Name</th>
<th>NTSC</th>
<th>PAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>4CIF/D1</td>
<td>704 x 480, 30 IPS</td>
<td>704 x 576, 25 IPS</td>
</tr>
<tr>
<td>2 CIF</td>
<td>704 x 240, 30 IPS</td>
<td>704 x 288, 25 IPS</td>
</tr>
<tr>
<td>CIF</td>
<td>352 x 240, 30 IPS</td>
<td>352 x 288, 25 IPS</td>
</tr>
</tbody>
</table>

**Network**

**Protocols**  
TCP, IP, UDP, HTTP, DHCP, RTSP, IGMP, SNMP, ARP, RTP, Telnet, ICMP, SMTP, iSCSI

**Ethernet**  
100 Base-TX, auto-sensing, half/full duplex, RJ45

**Environmental**

**Operating Temperature**  
−10°C to 35°C  
(14°F to 95°F)

**Operation Humidity**  
0% to 90% relative, non-condensing

**Storage Temperature**  
−20°C to 60°C  
(−4°F to 140°F)

**Protection**  
IP 54 (IEC60529)

**Compatible Viewing Devices**

<table>
<thead>
<tr>
<th>Digital Video Recorder</th>
<th>Divar XF 2.0 or higher</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC Web Browser</td>
<td>Microsoft Internet Explorer web browser version 6.0 or later</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows XP or Vista</td>
</tr>
<tr>
<td>Software</td>
<td>DirectX 9.0c *</td>
</tr>
<tr>
<td></td>
<td>Microsoft .NET 2.0 *</td>
</tr>
<tr>
<td></td>
<td>Sun Java Virtual Machine *</td>
</tr>
<tr>
<td></td>
<td>Bosch Configuration Manager*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hardware Requirements</th>
<th>Processor: 1.8 GHz Pentium IV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RAM: 256 MB</td>
</tr>
<tr>
<td></td>
<td>Video system: 128 MB video memory, 1024x768 display with 16 or 32-bit color</td>
</tr>
</tbody>
</table>

**Network interface:** 100 Base-TX

*Available at www.boschsecurity.com

**Miscellaneous**

**Sectors/Titling**  
8 independent sectors with 10-character titles/sector

**Camera Setup/Control**  
Via Internet Explorer web browser 6.0 version or later or BOSCH Configuration Manager

**Unit Configuration**  
Via Internet Explorer web browser version 6.0 or later or BOSCH Configuration Manager

**Pre-positions**  
60, each with 10 character titles

**Preset Tours**  
Four (4), consisting of up to 16 scenes, consecutively

**Supported Languages**  
English, French, and Spanish

**User Connections**

**Power (Camera)**  
24 VAC, 50/60 Hz or 12 VDC

**Alarm Input (1)**  
NC/NO/OFF

**Video and Control**  
100 Base-TX Ethernet, RJ45

**Ordering information**

**VEZ-011-HWCE**  
AutoDome Easy IP, white, 10X color, PAL  
Order number VEZ-011-HWCE

**VEZ-021-HWCE**  
AutoDome Easy IP, white, 10X color, NTSC  
Order number VEZ-021-HWCE

**VEZ-011-HCCE**  
AutoDome Easy IP, charcoal, 10X color, PAL  
Order number VEZ-011-HCCE

**VEZ-021-HCCE**  
AutoDome Easy IP, charcoal, 10X color, NTSC  
Order number VEZ-021-HCCE

**Accessories**

**VEZ-A-WW Wall Mount**  
AutoDome Easy wall mount white  
Order number VEZ-A-WW

**VEZ-A-WC Wall Mount**  
AutoDome Easy wall mount charcoal  
Order number VEZ-A-WC

**VEZ-A-PW Pipe Mount**  
AutoDome Easy pipe mount white  
Order number VEZ-A-PW

**VEZ-A-PC Pipe Mount**  
AutoDome Easy pipe mount charcoal  
Order number VEZ-A-PC