VIVOTEK’s SD9362-EH/EHL is a high performance H.265 Full HD speed dome network camera. Armed with a 30x optical zoom lens, the camera is able to capture fine details at top-notch quality. By combining both H.265 and VIVOTEK’s Smart Stream II technology which enables the camera to optimize quality for desired regions and therefore to maximize efficiency of bandwidth usage, it is capable of reducing both bandwidth and storage consumption by up to 80%* while maintaining the highest standard of image quality.

Offering extra smooth video quality with resolutions of up to 60 fps at 1920x1080, the SD9362-EH/EHL is also equipped with WDR Pro technology and IR-cut filter for seamless day/night operation. This enables the camera to cope effortlessly with the challenging lighting conditions faced in 24/7 surveillance. Further, the water-proof IP68-rated, vandal-proof IK10-rated and NEMA 4X-rated housing of the SD9362-EH/EHL protects the camera body against rain, dust and corrosion and provides a wide operating-temperature range of between -40°C and 55°C. This combination of robustness and high performance ensures that the SD9362-EH/EHL is especially suitable for monitoring wide, open, harsh indoor or outdoor spaces such as airports, highways and parking lots where high-level reliability and precision are called for.

* Depending on scene being monitored

Key Features

- H.265 Compression Technology
- 1080P Full HD CMOS Sensor
- 60 fps @ 1920x1080
- 30x Optical Zoom
- Removable IR-cut Filter for Day & Night Function
- 360° Continuous Pan and 220° Tilt
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Smart Stream II to Optimize Bandwidth Efficiency
- Weather-proof IP68-rated, Vandal-proof IK10-rated and NEMA4X Housing
- -40°C ~ 55°C Wide Temperature Range for Extreme Weather Conditions
- Audio Detection for Instant Alerts
- Auto Tracking for Moving Objects
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Defog
- EIS

Combining both H.265 and VIVOTEK Smart Stream II, the camera can reduce bandwidth and storage consumption up to 80% more than cameras using H.264.
### Technical Specifications

#### Model
- SD9362-EH(with Bracket, IO Cable)
- SD9362-EH(without Bracket, IO Cable)
- SD9362-EHL(with Bracket, IO Cable)
- SD9362-EHL(without Bracket, IO Cable)

#### System Information
- **CPU**: Multimedia SoC (System-on-Chip)
- **Flash**: 128MB
- **RAM**: 512MB

#### Camera Features
- **Image Sensor**: SD9362-EH: 1/2.8" Progressive CMOS
  - SD9362-EHL: 1/3" Progressive CMOS
- **Maximum Resolution**: 1920x1080 (2MP)
- **Lens Type**: 30x Optical Zoom, Auto Focus
- **Focal Length**: f= 4.3 ~ 129 mm
- **Aperture**: F1.6 ~ F4.7
- **Auto-iris**: DC-iris

#### Field of View
- **SD9362-EH**:
  - Horizontal: 2° ~ 64°
  - Vertical: 1° ~ 39°
  - Diagonal: 3° ~ 71°
- **SD9362-EHL**:
  - Horizontal: 2° ~ 59°
  - Vertical: 2° ~ 45°
  - Diagonal: 3° ~ 71°

#### Shutter Time
- **SD9362-EH**: 1 sec. to 1/10,000 sec.
- **SD9362-EHL**: 1/8 sec. to 1/30,000 sec.

#### WDR Technology
- WDR Pro

#### Minimum Illumination
- **SD9362-EH**:
  - Color: 0.5 Lux @ F1.6
  - B/W: 0.01 Lux @ F1.6
- **SD9362-EHL**:
  - Color: 0.42 Lux @ F1.6
  - B/W: 0.01 Lux @ F1.6

#### Pan Speed
- **SD9362-EH**: 0.05° ~ 450°/sec.
- **SD9362-EHL**: 0.05° ~ 450°/sec.

#### Pan Range
- **SD9362-EH**: 360° endless
- **SD9362-EHL**: 220° (-110° ~ +110°)

#### Tilt Range
- **SD9362-EH**: 3° ~ 71°
- **SD9362-EHL**: 2° ~ 45°

#### Preset Locations
- **SD9362-EH**: 256 preset locations, 128 presets per tour
- **SD9362-EHL**: 128x digital zoom (4x on IE plug-in, 32x built-in)

#### Video Motion Detection
- Five-window video motion detection

#### Intelligent Video
- **Auto-Tracking**: Auto-tracking on moving object

#### Alarm and Event
- **Alarm Triggers**: Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, audio detection
- **Alarm Events**: Event notification using digital output, HTTP, SMTP, FTP, NAS server and SD Card

#### WDR Technology
- WDR Pro

#### Day/Night
- Removable IR-cut filter for day & night function

#### Power Consumption
- Max. 48/26 W (Heater on/off)

#### Dimensions
- Ø 162 × 221 mm
- Weight: 4.35 kg (with bracket)
- 2.95 kg (without bracket)

#### Casing
- Weather-proof IP68-rated, Vandal-proof IK10-rated, and NEMA 4X-rated mated housing

#### Network
- **Users**: Live viewing for up to 10 clients

#### System Requirements
- **Operating System**: Microsoft Windows 8/7
- **Web Browser**: Mozilla Firefox 7–43 (streaming only)
  - Internet Explorer 10/11
- **Other Players**: VLC: 1.1.11 or above
  - Quicktime: 7 or above

#### Included Accessories
- **CD**: User's manual, quick installation guide, Shepherd, VAST
- **Others**: Wall mount bracket*, I/O combo cable*, screws, waterproof connectors, quick installation guide, alignment stickers, L-wrench, software CD, desiccant bags
  - * Standard package for SD9362-EH/EHL(with Bracket, IO Cable).

#### Dimensions

<table>
<thead>
<tr>
<th>With bracket</th>
<th>Without bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø222.8 mm</td>
<td>331.4 mm</td>
</tr>
<tr>
<td>Ø161.7 mm</td>
<td>162.2 mm</td>
</tr>
<tr>
<td>355.3 mm</td>
<td>331.4 mm</td>
</tr>
<tr>
<td>95.3 mm</td>
<td>73.8 mm</td>
</tr>
</tbody>
</table>
## Compatible Accessories

<table>
<thead>
<tr>
<th>Mounting Kits</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM-220 Wall Mount Bracket</td>
<td>AJ-001 USB Joystick</td>
</tr>
<tr>
<td>AM-529 Mounting Adapter</td>
<td>AJ-002 USB Joystick</td>
</tr>
<tr>
<td>AJ-001 USB Joystick</td>
<td>AO-003 I/O Combo Cable</td>
</tr>
</tbody>
</table>

### Cabinet

<table>
<thead>
<tr>
<th>AT-CAS-001 Cabinet for Speed dome, IP66, IK10</th>
<th>AT-CAB-002 Cabinet for HLG Power Supply</th>
<th>AT-SUN-002 Sunshield</th>
<th>AT-SWH-000 Power Safety Kit</th>
</tr>
</thead>
</table>

### PoE Kit/Power Adapter

#### 24VDC

|--------------------------------------------------|-----------------------------------------------|-----------------------------------------------|

#### 24VAC

<table>
<thead>
<tr>
<th>AA-341 AC 24V 3.5A Power Adapter</th>
<th>AA-352 Outdoor Power Box, 24VAC/144W, IP67, IK10</th>
</tr>
</thead>
</table>

#### 60W UPoE

<table>
<thead>
<tr>
<th>AW-IHU-0100 Industrial 1xGE 60W UPoE Injector</th>
<th>HLG-80H-54 Industrial 54VDC/80W Power Supply, IP67</th>
<th>AW-IHU-0200 Industrial 1xGE 60W UPoE + 1x SFP GE Switch</th>
<th>HLG-80H-54 Industrial 54VDC/80W Power Supply, IP67</th>
<th>AW-IHU-0600 Industrial 4xGE 60W UPoE + 2xGE SFP Switch</th>
<th>HLG-240H-54 Industrial 54VDC/240W Power Supply, IP67</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>AP-GIC-011A-060 1xGE 60W UPoE Injector with Surge Protection 12KV</th>
<th>AP-GIC-015B-095 Outdoor 1xGE 95W PoH/PoE Injector with Surge Protection 12KV</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>AW-GEU-080A-250 Unmanaged 2xGE 60W UPoE Switch</th>
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</thead>
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