IPC6225-VRZ(-SP)
2MP Network IR Bullet Camera

**Features**
- H.265, H.264 and MJPEG video compression standard
- Infrared IR(-SP)
- Built-in motorized zoom and focus lens
- Effective pixels 1920x1080 at 60 fps
- Ultra WDR up to 120dB
- Highlight suppression
- Auto defogging
- Image stabilization
- Intelligent analytics
- DC/AC supply and PoE hot backup for each other
- Ultra wide operating voltage range up to ±25%
- Ultra wide operating temperature range: -40°~60°C
- IP66 protection class

**Dimension**

**Optional Accessories**

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**Specifications**

<table>
<thead>
<tr>
<th>Model item</th>
<th>IPC6225-VRZ</th>
<th>IPC6225-VRZ-SP</th>
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</thead>
<tbody>
<tr>
<td>Camera</td>
<td></td>
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<tr>
<td>Image sensor</td>
<td>1/2.8” 2.0 megapixel progressive scan CMOS</td>
<td></td>
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<tr>
<td>Effective pixels</td>
<td>1920(H)×1080(V)</td>
<td></td>
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<tr>
<td>Min. Illumination</td>
<td>Color: 0.008lux (F1.4, AGC ON); 8W - 0.002lux (F1.4, AGC ON); 0lux with IR on</td>
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</tr>
<tr>
<td>Day/Night mode</td>
<td>Auto/Color/Monochrome (removable infrared-cut filter)</td>
<td></td>
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<tr>
<td>Electronic shutter speed</td>
<td>1/5~1/60,000s to 1s</td>
<td></td>
</tr>
<tr>
<td>White balance</td>
<td>Auto/Manual/Manual/OnePush, Scenarios mode: Indoor/Outdoor/Fixed</td>
<td></td>
</tr>
<tr>
<td>Gain Control</td>
<td>Automatic / manual</td>
<td></td>
</tr>
<tr>
<td>Wide Dynamic Range</td>
<td>120dB (Physical WDR)</td>
<td></td>
</tr>
<tr>
<td>Backlight compensation</td>
<td>Supported</td>
<td></td>
</tr>
<tr>
<td>Highlight suppression</td>
<td>Supported</td>
<td></td>
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<tr>
<td>Digital Noise Reduction</td>
<td>Self-adaptive to 2D or 3D DNR</td>
<td></td>
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<tr>
<td>Defog</td>
<td>Automatic / Manual</td>
<td></td>
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<tr>
<td>Image stabilization</td>
<td>Electronic image stabilization</td>
<td></td>
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<tr>
<td>IR coverage</td>
<td>Max. 50 meters</td>
<td></td>
</tr>
<tr>
<td>Invisible IR</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>Lens</td>
<td>2.8-12 mm (4.3x) motorized varifocal, F1.4(max)</td>
<td></td>
</tr>
<tr>
<td>Focus</td>
<td>Auto Focus, One-push Focus, Synchronous Focus</td>
<td></td>
</tr>
<tr>
<td>Angular Field of View</td>
<td>Horizontal: 86°(Wide) ~ 34°(Tele), Vertical: 47°(Wide) ~ 18°(Tele)</td>
<td></td>
</tr>
<tr>
<td>Auto iris</td>
<td>DC-Iris</td>
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</table>

**Function**
- Video compression: H.265 / H.264 / MJPEG
- Resolution: 1920×1080 / 1280×720 / 720×576 / 720×480 / 352×288 / 352×240
- Frame rate: 60Hz: 60/30/20/1fps, 50Hz: 50/25/20/1fps
- Multiple streaming: Double FHD (1080p) streams (60fps or 50fps)
- Trelis streams (30fps or 25fps)
- Stream packages: Four predefined packages (High quality, Balanced, Low bandwidth, and Mobile devices) and four customized packages
- ISP packages: Five predefined typical scenarios (Outdoor, Indoor, Vehicle capture, Low-light, and Backlight mode) and eight user-defined scenarios.
- Audio compression: G.711a/G.711u/G.726/OPUS
- PU access protocol: ONVIF Profile S/G, GB/T 28181-2014, HUAWEI SDK
- Network protocol: TCP, UDP, IPv4, DHCP, DNS, ICMP, IGMP, HTTP, HTTPS, RTSP, RTP, RTCP, SDP, TRP, ARP, SSL, TNP, SNMP(VER2/V3), 802.1x, QoS, DNS
- Stream transmission: Uncast / multicast
- Security mode: User name and password authentication, 802.1x (MDS Challenge), and HTTPS digital certificate, IP address filtering
- Stream encryption: AES128/192/256 encryption algorithm, and Digital Watermark
- Intelligent Analytics: Tripwire detection, Loitering detection, Intrusion detection, Abandoned object detection, Removed object detection, Target color recognition, Humans and vehicles distinguishing
- Intelligent detection: Motion detection, Lens block detection
- Event triggers: Intelligent analysis, Motion detection, Lens block, and Alarm input
- Event actions: Alarm output, SD card record, and Snapshot

**Interface**
- Ethernet interface: 1x RJ-45 10/100Base-T, self-adaptive Ethernet port
- Serial interface: 1x RS-485 port (PELCO-PD protocol)
- Alarm interface: 2-channel alarm input and 2-channel alarm output, Phoenix connector
- Analog video interface: 1-channel analog video output through the CVBS interface, BNC connector
- Audio interface: 1-channel audio input and 1-channel audio port, 3.5mm mono connector
- Memory card slot: 1x MicroSD/SDHC/SDXC slot supporting memory card up to 64 GB

**General Parameter**
- Power supply: DC12V ± 25%, DC24V ± 25%, AC24V ± 25%, PoE(EIEEE 802.3at), Non-polarized DC power supply, and DC/AC supply is hot backup with PoE
- Power consumption: Typical consumption: 3.9W Maximum consumption: 14.3W
-Operating environment: Operating temperature: -40°C ~ 60°C Relative humidity: 5% to 95% (non-condensing)
- Electromagnetic compatibility (EMC): Compiles with EN 55022 Class A, EN 55024-2, EN 55024-3, EN 61000-6-1, EN 61000-6-2, EN 61000-3-3, FCC Part 15 Subpart B Class A
- Lightning surge suppression: 6kV surge voltage, complies with IEC 61000-4-5
- IP protection class: IP66, complies with IEC 60529
- Vandal-proof Class: IK10 vandal-proof metal casing complies with IEC 62262
- Anti-corrosion: Satisfies the ISO9223 Class C4 environment, complies with IEC 60068-2-11
- Net weight: 1.4kg
- Gross weight: 1.9kg
- Physical dimensions: 353.6×128.1×120.0mm
- Packing dimensions: 418×193.0×155.0mm