Viseum Intelligent camera and video Surveillance monitoring experts

**THE CCTV AND SURVEILLANCE INDUSTRY-STANDARD DETERRENT AND AUTOMATED SECURITY AND SITUATIONAL AWARENESS**

---

**THE WORLD'S BEST CCTV SECURITY AND SURVEILLANCE CAMERA**

- Britain's Largest Police Force "Our Best Crime Deterrent" - Described by them as a Virtual Gigapixel Camera, a Virtual CCTV Operator and a Virtual Guard.
- Operates Completely Automatically Covering Vast Areas – Identifying, confirming and following incidents close up and in every direction.
- Multi-HD-Camera View of Each Incident – PTZ Camera close-up view and wide contextual view.

**CUSTOMISED SOFTWARE TECHNOLOGY SERVICES:**

- Making people's faces the world's greatest security weapon against crime and terrorism.
- Automatic detection, capture and processing of traffic violations for the world's safest roads.

---

LEVEL 1 TECHNOLOGY INTRODUCTION PROGRAMME

Viseum Privacy

MADE IN GREAT BRITAIN

Contact us on +44 (0)1322 405724 or visit https://www.viseum.co.uk

Viseum IMCs have been granted 20 years’ patent protection

Any non-Viseum branded IMC system will be noticeably inferior and an illegal copy in breach of international law

PATENTED MODULAR CONFIGURATION

SUPERIOR OPERATIONAL PERFORMANCE

FUTURE PROOFED PRODUCT LONGEVITY
This is the only Intelligent PTZ (Pan, Tilt, and Zoom) camera system in the world to automatically detect, confirm, and follow incidents out to 320 metres in all directions at the same time, automatically control a PTZ camera to zoom into and automatically confirm the incident, automatically follow the action, capture high-quality close-up evidence of even before the alarm is raised, and then automatically report it for rapid response and investigations.

It is the most effective and versatile automated CCTV surveillance camera system, with modular plug-and-play hardware for all applications and environments. This IP surveillance camera system uses multiple Wide Contextual View Cameras with one moving PTZ Camera, to simplify permanent and temporary deployment options, for CCTV security, people surveillance and traffic management.

With intelligent video analytics software and bandwidth management of all cameras, this delivers Virtual Gigapixel video information over standard transmission technologies, for the most accurate ground truth and situational awareness. The PTZ Camera and Wide Contextual View Cameras produce between 3 and 45 Mbps of video data.

Each of the multiple cameras are modular configured to support any optical requirements to support the practicalities of installation and maintenance, whilst optimizing operational performance give the highest levels of automated CCTV security and surveillance. This gives maximum flexibility to operate as an unmanned standalone camera, with manual operator override if required for use with:

- Manned and unmanned command control rooms, and,
- Mobile observation posts.

**Technical Specification:**

- Various models of ruggedized IP rated weatherproofing IP66, IP67, and IP68.
- Installed upright or downwards for permanent or redeployable installations.
- Quick release plug/socket multi-core cables and weatherproof speed-fixers for temporary or redeployable installations.
- Fixed cameras easily positioned to cover only desired areas, with pan and tilt adjustment using a single fixing.
- Modular hardware configurations depending on deployment weight limits, the number of Viseum iVOS software channels, and 60° Wide Contextual View Cameras for line-of-sight CCTV security and surveillance coverage:
  - V 6+1 - full 360° panorama
  - V 5+1 - 300°
  - V 4+1 - 240°
  - V 3+1 - 180°
  - V 2+1 - 120°
  - V 1+1 - 60°
  - V 8+1 - 360° (additional resilience)

**Physical:**

- **Weight:** Full 6 Camera Array 3.2 kg (each fixed camera 260 g) – Pole or Wall Bracket 1.7 kg.
- **Dimensions:** Ideal sited height 6 m - 10 m | Array 270 mm (Dia) x 117 mm (H) | Complete with PTZ Camera 457 mm (H).
- **Operating Temperature:** Various models between -40 to +65°C.
- **Power Supply:**
  - PTZ: 24 Vac/30 Vdc - External 240/110 Vac PSU.
  - Fixed Cameras: 12 Vdc - External 240/110 Vac PSU.
- **Maximum Power:** 84 W (including 6 detection cameras, PTZ Camera and iVOS Camera Controller).

**Industry Leading Optics:**

- **Advanced Day/Night HD PTZ Camera:** Viseum AiPTZ 360° (2.4MP).
- **Most popular Viseum IMC Wide Contextual View Cameras:**
  - 1920 x 1080 resolution (2MP) 1/2.8” Progressive Scan CMOS HD Camera Sensors.
  - Fixed lens 4.3 mm 60° horizontal view, Near IR low light sensitivity 0.005 lux.

Contact us on +44 (0)1322 405724 or visit [https://www.viseum.co.uk](https://www.viseum.co.uk)

Viseum IMCs have been granted 20 years’ patent protection

Any non-Viseum branded IMC system will be noticeably inferior and an illegal copy in breach of international law

### HD AiPTZ Camera 360° System

**FEATURES**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focus/Iris</td>
<td>Auto/Manual</td>
</tr>
<tr>
<td>Privacy Zones</td>
<td>Up to 24</td>
</tr>
<tr>
<td>Variable pan speed/coverage</td>
<td>0.1 - 120°/sec, 360° continuous rotation, absolute positioning</td>
</tr>
<tr>
<td>Variable tilt speed/coverage</td>
<td>0.1 - 120°/sec, 160°, absolute positioning</td>
</tr>
<tr>
<td>Color/Mono Changeover</td>
<td>4 levels - 3 fixed, 1 custom/user defined</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40°C to +65°C</td>
</tr>
<tr>
<td>Power</td>
<td>24 Vac/30 Vdc or 12 Vdc</td>
</tr>
<tr>
<td>Certification</td>
<td>CE approval; Various models of ruggedized IP rated weather proofing IP66, IP67, and IP68.</td>
</tr>
<tr>
<td>ILLUMINATION</td>
<td>IR or IR &amp; WHITE LIGHT (Nominal)</td>
</tr>
<tr>
<td>IR210</td>
<td>Directional IR 210 metres</td>
</tr>
<tr>
<td>IR215WL</td>
<td>Directional IR 215 metres, WL 205 metres</td>
</tr>
<tr>
<td>WEIGHTS</td>
<td></td>
</tr>
<tr>
<td>Without lamps</td>
<td>7kg</td>
</tr>
<tr>
<td>With lamps</td>
<td>7.5kg</td>
</tr>
<tr>
<td>CODEC</td>
<td>25fps</td>
</tr>
<tr>
<td>HD1080p</td>
<td>1920x1080</td>
</tr>
<tr>
<td>HD720p</td>
<td>1280x720</td>
</tr>
<tr>
<td>D1</td>
<td>720x576</td>
</tr>
<tr>
<td>VGA</td>
<td>640x480</td>
</tr>
<tr>
<td>QVGA</td>
<td>432x240</td>
</tr>
<tr>
<td>Video Distribution</td>
<td>2 Stream Multi Codec</td>
</tr>
<tr>
<td>Image Compression</td>
<td>H.264, H.265, MPEG4, MJPEG</td>
</tr>
<tr>
<td>Protocols</td>
<td>ONVIF (S), TCP/IP, HTTP, RTP, RTSP</td>
</tr>
<tr>
<td>Compression levels</td>
<td>CBR, VBR, CVBR</td>
</tr>
</tbody>
</table>

**THE BEST PTZ CAMERA IN THE WORLD**

- Highest Quality Day and Night Optics – Better optics than any other PTZ camera on the market.
- Intelligent Speed Control Pan, Tilt and Zoom Operation – Allowing this PTZ camera to move automatically at the ideal speed to make every frame of video information count.
- Viseum IMC Commissioned and Viseum firmware customisations – Making installation, commissioning and operation effortless for customer resources.

---

**Viseum APTZ SPECIFICATION**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour/Mono</td>
<td>Yes</td>
</tr>
<tr>
<td>Imager (CMOS)</td>
<td>1/1.9 HD Sensor</td>
</tr>
<tr>
<td>Zoom - Optical + Digital</td>
<td>32x, 12x</td>
</tr>
<tr>
<td>Zoom - Total</td>
<td>384x</td>
</tr>
<tr>
<td>Pixels</td>
<td>Approx. 2.38 Megapixels</td>
</tr>
<tr>
<td>Horizontal view angle</td>
<td>2.2° (T) - 60° (W)</td>
</tr>
<tr>
<td>Lens Size</td>
<td>6 - 192 mm</td>
</tr>
<tr>
<td>Min Sensitivity - Colour</td>
<td>0.002 Lux</td>
</tr>
<tr>
<td>Min Sensitivity - Mono</td>
<td>0.0002 Lux</td>
</tr>
<tr>
<td>Signal Noise Ratio</td>
<td>&gt;50dB</td>
</tr>
<tr>
<td>Picture Flip</td>
<td>Yes</td>
</tr>
<tr>
<td>Picture Freeze</td>
<td>Yes</td>
</tr>
</tbody>
</table>

---

**ILLUMINATION**

- **IR210**
  - Directional IR 210 metres
- **IR215WL**
  - Directional IR 215 metres, WL 205 metres

---

**WEIGHTS**

- **Without lamps**: 7kg
- **With lamps**: 7.5kg

---

**CODEC**

- **HD1080p**: 1920x1080
- **HD720p**: 1280x720
- **D1**: 720x576
- **VGA**: 640x480
- **QVGA**: 432x240

---

**Video Distribution**

- 2 Stream Multi Codec

---

**Image Compression**

- H.264, H.265, MPEG4, MJPEG

---

**Protocols**

- ONVIF (S), TCP/IP, HTTP, RTP, RTSP

---

**Compression levels**

- CBR, VBR, CVBR