Solutions
Built for Cannabis
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From cultivation to distribution, Hanwha Techwin products meet the unique challenges of keeping cannabis businesses secure and in-compliance with regulatory requirements. All activity at cannabis facilities needs to be monitored, tracked, recorded and stored for regulatory compliance and in some cases investigative use. Hanwha Techwin wide array of IP camera solutions can address any cannabis security and surveillance need.

- Meets or exceeds all industry standards and requirements for video surveillance
- Cost saving multi-sensor and specialty devices and data compression technologies
- AI-based video analytics to increase monitoring efficiency and reduce false alarm events

Cost Saving Multi-sensor/Multi-directional IP Cameras

Hanwha Techwin dual-sensor multi-directional IP camera solutions include 2MP and 5MP selectable fixed lens models that eliminate the need for multi-camera installations. Each multi-sensor IP camera can be installed with a single cable and utilized with most VMS systems using just a single device recording license.

Eliminate Blind Spots with High-Resolution IP Fisheye Cameras

See a full-detail, 360º panoramic view of an entire room or area with a single camera. Fisheye cameras are a popular choice for cannabis facilities including dispensaries and cultivation facilities, as they provide excellent coverage to help eliminate blind spots and meet security requirements. Dewarping allows users to convert the fisheye image in multiple views and focus areas, resulting in cost savings as fewer cameras are required to monitor a given area.
Dispensary Point-of-Sale Camera Kit
Easily capture faces with this 2MP remote lens camera that features a height adjustable modern design, that allows it to blend seamlessly into customer counters and other high traffic areas.

Capture Faces Entering and Leaving your Facility

Pinhole height strip camera
Pinhole height strip camera can distinguish a subject’s face and height when used in conjunction with another area camera device.

Door jamb lens housings
Video surveillance products must blend seamlessly with the aesthetics of any store structure and layout. You can strategically place Hanwha Techwin’s low-profile remote head camera lens modules and housings near entrances and exits providing investigators and law enforcement with high-quality views of suspects’ faces or any suspicious activity. They are available with flush-mount housings, door mullion lens and multiple color options.

Wisenet P series AI cameras
Hanwha Techwin high-resolution 2MP and 4K cameras have been equipped with AI-based analytics with attribute extraction that can accurately identify both humans and vehicles. Being able to differentiate and identify objects as humans or vehicles leads to faster and more efficient forensic searches as well as a reduction in bandwidth and storage through metadata tagging.

BestShot Feature
All extracted attributes are presented in real time via Hanwha Techwin’s BestShot feature, which displays a still image of a detected object for easy identification along with any attributes detected.

Detected Objects | Attribute Category | Supported Attribute Items
--- | --- | ---
Person | Gender | Female, Male
 | Upper garment | (Up to 2 colors simultaneously)
 | Black, Gray, White, Red, Orange, Yellow, Green, Blue, Purple
 | Lower garment | Carries a bag, does not carry a bag
 | Bag | Young/Adult/Middle/Senior
 | Age | Wearing glasses, not wearing glasses
 | Glasses | Wearing mask, not wearing mask
 | Face mask | Car (sedan/SUV/van/etc.), bus, truck, motorcycle, bicycle
 | Type | Presence of a license plate
 | License plate | Black, Gray, White, Red, Orange, Yellow, Green, Blue, Purple
 | Color | (Up to 2 colors simultaneously)
 | License plate | Wearing mask, not wearing mask
 | Face mask

Indoor Flush Mount Dome
Indoor Vandal Dome
Outdoor Vandal Dome
IR Bullet

PNO-A6081RF
PNO-A6081RV
PNI-A6081R
PNO-A6081R
Wisenet 7 powered Wisenet X series Camera Devices

The Wisenet 7 SoC is our latest and most advanced chipset to date, featuring recording resolutions of up to 4K, license-free video and audio analytics, extreme WDR with scene analysis, and best-in-class cybersecurity measures. Powering the updated line of Wisenet X series cameras, these capabilities are available in a variety of form factors that meet the challenges of even the toughest environments.

- **Vivid 4K Resolution**
  Hanwha Techwin’s F1.2 varifocal lens is implemented into the Wisenet 7 4K camera lineup, allowing the most light into the camera’s sensor and producing clear and vivid images.

- **Extreme WDR with Scene Analysis Technology**
  Hanwha Techwin’s improved multi-frame WDR technology lets you take full advantage of image contrast to see detailed objects clearly even in environments with strong backlight conditions.

- **End-to-end Cybersecurity**
  With its own device certificate issuing system, Root CA, the Wisenet 7 camera lineup offers the highest levels of cybersecurity possible. Secure by Default, Hanwha Techwin’s cybersecurity policy, embeds unique certificates into all products during each step of the development and manufacturing process. This results in a cybersecurity policy that satisfies stringent UL CAP standards as well as our own requirements for product reliability and design.

Explosion-proof Cameras for Cannabis Extraction Facilities

Extraction rooms containing flammable gases, like butane, must follow strict requirements on the types of cameras that can be installed. Our custom fitted explosion-proof housings are capable of operating safely in areas where traditional camera device designs may be unsuitable or pose a risk to safety.

- Up to 4K/8MP resolution
- Class 1 Division 1 rated for compliance in cannabis extraction facilities
- Sealed 316L stainless steel metal construction
- IP66/67 ingress protection rating
- Onboard advanced video analytics

License Plate Recognition Cameras

Enhance your facility’s security by logging vehicles by license plate number as they enter and exit parking or restricted areas. Hanwha Techwin cameras with license plate recognition (LPR) technology are completely operational out of the box and fully integrated into Wisenet WAVE VMS and other popular video management systems and access control solutions.

- Camera sends vehicle license plate information to video management system or access control solution
- Data can be used to produce VMS bookmarks for later review
- Simple to install and automate
Wisenet WAVE VMS

Hanwha Techwin’s lightweight, scalable, and feature rich video management is capable of supporting up to 128 IP video streams per server and is fully integrated with Wisenet NVRs and IP camera video and audio analytics.

Wisenet SKY Cloud VMS

Traditional video security systems require substantial amounts of hardware, complicated installations and constant software maintenance and management. Wisenet SKY Cloud VMS offers users enterprise-level performance with easy deployment, remote management, and seamless integration with third party systems.

<table>
<thead>
<tr>
<th>Max Cameras</th>
<th>250,000 per account</th>
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<tbody>
<tr>
<td>Max Users</td>
<td>25,000 per account</td>
</tr>
<tr>
<td>Simultaneous Live Viewers</td>
<td>100 per camera</td>
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<tr>
<td>Max Resolution</td>
<td>Up to 10MP</td>
</tr>
<tr>
<td>Max Locations</td>
<td>10,000 per account</td>
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Quick Deployment, Secure Access

The Wisenet SKY Cloud VMS does not require open ports, allowing only outbound connections to the Wisenet SKY Cloud. Business owners can rest assured that their business is always secure and accessible from anywhere in the world.

<table>
<thead>
<tr>
<th>Supported Browsers</th>
<th>Supported Desktop OS</th>
<th>Supported Mobile OS</th>
<th>Supported Server OS</th>
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<tbody>
<tr>
<td>macOS</td>
<td>Windows</td>
<td>Linux</td>
<td>Windows Server</td>
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Maximum Flexibility

Wisenet SKY supports thousands of IP and analog camera models, allowing you to leverage any new or existing infrastructure. Custom retention policies and hybrid cloud options allow you to pay only for what you need while our open source API and SDK allow you to add additional functionality to your system via 3rd party integrations.

<table>
<thead>
<tr>
<th>Supported Browsers</th>
<th>Available Mobile Apps</th>
<th>Supported Server OS</th>
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<tbody>
<tr>
<td>macOS</td>
<td>Android</td>
<td>Windows Server</td>
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Optional Analytics

- Line crossing
- Intrusion detection
- Object counting
- Loitering
- Tamper detection
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WiseStream III

Using edge-based AI object detection to identify humans and vehicles, Hanwha Techwin’s WiseStream III video compression technology ignores motion created by non-human and non-vehicle objects detected in the camera’s field of view. This results in substantially decreased data transmission sizes from the camera over traditional motion detection based compression technologies, without losses in video quality.

Hanwha Techwin IP camera features and onboard advanced video and audio analytics

Hanwha Techwin’s license-free intelligent video and audio analytics technology operates on the edge, alerting operators to abnormal activities in real time. This increase in situational awareness can help to prevent or minimize damage or harm during an event by prompting a rapid and efficient response.

Business Analytics

- Face detection - Identifies key facial features and issues alerts when a face is present
- Virtual line crossing detection - Triggers an alarm when objects are detected crossing a pre-defined virtual line or perimeter.
- Loitering detection - Triggers an event when an object enters and rests in a designated virtual zone
- Intrusion detection - Triggers an event when movement is detected in a designated virtual zone
- Appear/disappear detection - Detects the appearance or disappearance of an item in a designated virtual zone
- Enter/exit detection - Detection of objects entering or exiting a designated area

Audio analytics - Detects and identifies the sound of explosions, gunshots, screams, and breaking glass

*Camera features and analytics vary by model