HIKVISION:

Proven Perimeter Technologies for Agriculture Security

An Overview of Hikvision Security Solutions for the Agricultural Industry

HIKVISION®

Technology to Meet Agriculture Demands

Today's agricultural operations must protect equipment, livestock, assets and people while facing numerous challenges. Hikvision has a wide array of security technologies to secure and monitor assets year-round, day and night, in various conditions. Whether protecting machinery, equipment, storage facilities, protecting perimeters or monitoring crops, Hikvision security systems can help. Smart analytics provide business intelligence that support operational efficiency and can be accessed from anywhere.

SUPERIOR TECHNOLOGY AT A GREAT VALUE

Hikvision offers the leading industry technologies at an outstanding value. Our solutions include:

- Affordable HikCentral centralized management software (CMS) enables you to manage single or multiple locations from one central system.

- HD quality provides clear images and zoom in/zoom out PTZ capability for better situational awareness.

- Thermal technology to enhance security and loss prevention by detecting threats around property perimeters, providing early warnings for fire detection and prevention, and detecting moisture levels in grow areas.

- Weather-proof and vandal-proof cameras provide a versatile security system for changing weather conditions and effective security in high risk areas.

- AcuSense technology providing added deterrence by pinpointing unwanted guests with strobe lights and audio alarm messages.

HikCentral: Hikvision's Centralized Management System

HikCentral can manage one or multiple locations, improving situational awareness and security for agricultural operations and asset protection. HikCentral is a fully scalable system, providing ease of viewing, alarm handling, and critical response. It also provides these benefits:

- **Access Control**: HikCentral enhances controlled access points inside and outside of your property. License Plate Recognition (LPR) and access control technology support visitor management by improving ease of identification in authorized areas for visitors, and employees.

- **Asset Protection**: HikCentral maximizes asset protection with smart analytics such as perimeter protection, line crossing, exit/entrance detection, and early advanced warning capabilities.

- **Early Warnings & Detection**: HikCentral leverages thermal technology to detect changes in heat and temperature, providing early warnings for fire detection and prevention, as well as detecting moisture levels in grow areas.

- **Better Situational Awareness**: HikCentral elevates situational awareness through dynamic alarm arming and the use of area maps, and the ability to manage multiple locations. This enables accurate monitoring of your assets, including livestock, crops, and machinery.

HIKCENTRAL CENTRALIZED SECURITY ECOSYTEM

| TurboHD | Performance Thermal | LPR/Gate Control | AcuSense |

HikCentral CMS

| PanoVu | PTZ | Access Control | Enterprise Storage |

Technology Applications Map

MAP LEGEND

01 Entrance/Exit/Driveway:
Hikvision's LPR (license plate recognition) technology with gate management captures clear images of license plates entering and exiting your property.

02 Perimeter Fence/Property Surveillance:
High performance PTZ and PanoVu cameras provide surveillance across large open areas, providing farmland properties with better situational awareness.

03 Calving Barn:
Leverage Hikvision's 360 fisheye cameras to zoom in and view the activity of cattle during calving.

04 Holding Pens:
Track animal behavior, monitor feed lanes and monitor employee work operations.

05 Crop Management:
Our bi-spectrum thermal technology allows you to see trespassers and other activity at night and does not require additional lighting.

06 Machinery/Equipment:
Hikvision's ColorVu technology provides full color in complete darkness, providing additional protection and deterrence that protects property and equipment.

07 Fuel Tanks/Water Supply:
Hikvision's high megapixel imaging provides clear images of fuel tanks and water supply, providing added deterrence from theft.

08 Hay Management:
Bales of hay can internally combust, causing large fires on a property. Utilizing Hikvision's thermal cameras with thermography can provide early temperature and fire detection, warning the property owner and manager of any critical temperature changes.

09 Produce Theft:
Hikvision AcuSense technology can deter theft with its precise detection of human activity. It also reduces false alarms.

10 Crop Protection Chemicals:
Hikvision Video Analytics provide additional protection for chemical storehouses.

FEATURED PRODUCTS

DarkFighter/LightFighter Technology

Access Control Technology

TurboHD

Thermal Camera

PTZ

EXTREME LIGHTING CONDITIONS: Hikvision's patented, award-winning DarkFighter technology provides clear, color images in low light conditions. Hikvision's LightFighter technology delivers clear, high quality images in overexposed lighting conditions.

ACCESS CONTROL TECHNOLOGIES: Hikvision offers a full line of traditional card-based access control technologies as well as advanced "frictionless" access control solutions, leveraging state-of-the-art License Plate Recognition and Gate Control technology. This ensures only authorized residents, employees, and visitors gain access to your property.

TurboHD™ (HD OVER COAX) SOLUTIONS: Upgrade existing analog systems to high definition cameras without the costs of replacing existing coax cables, saving both time and money.

PERFORMANCE THERMAL: Hikvision thermal solutions assist with early warning detection, such as increased heat and temperature fluctuations, and fire detection.

PTZ: High performance PTZ cameras provide cutting-edge surveillance with advanced zoom capabilities, ensuring better safety and asset protection, providing high situational awareness for large parcels of land.

Reduce Costs with Hikvision Technology

DEPLOY SECURITY TECHNOLOGY ON A BUDGET:

Our price advantages allow you to improve security levels and meet budget requirements. Providing this level of savings coupled with Hikvision's less than one percent technology failure rate ensures efficient operations and improved security.

H.265+ COMPRESSION:

A revolutionary video compression algorithm that reduces video bitrate streaming 60 to 80 percent over the current H.265 industry standard. H.265+ greatly reduces network bandwidth usage and lowers storage requirements, leading to significant cost savings.

TurboHD™ TVI SOLUTIONS:

Hikvision's TurboHD TVI solution saves money by using the existing coaxial cable infrastructure to transmit high definition video. This allows you to upgrade to high quality HD security equipment at a fraction of the cost of equivalent IP video systems.

DEEP LEARNING ANALYTICS:

Advanced video analytics are included in certain Hikvision cameras and recorders without additional fees. These advanced algorithms improve accuracy in detection and reduce false alarms, enabling farmers to focus on their day-to-day operations.

Committed to the utmost quality and safety of its products, Hikvision encourages partners to take advantage of the many cybersecurity resources we offer including the online Hikvision Cybersecurity Center. In 2018, Hikvision opened the industry's first Source Code Transparency Center (SCTC) in California. The facility is accessible to U.S. and Canadian government and law enforcement agencies to review the source code for cameras and recorders currently sold in North America.

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