



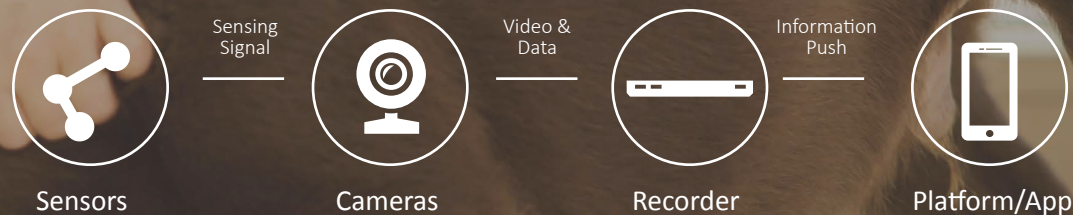
**HDCVI 4.0** **IoT**



• • ● Background • • •

IoT, or the Internet of Things, is the concept of linking devices together. HDCVI-IoT is an IoT infrastructure based on HDCVI technology. It offers a comprehensive ecosystem linking conventional HD-over-Coax video and audio data with sensor info such as temperature, humidity, and alarms from multiple wireless alarm devices. This enables users to receive warnings of potential risks linked with visual evidence, allowing them to secure personnel and property across all dimensions. The development of IoT solutions is an important milestone in the surveillance industry and HDCVI 4.0 has been developed to boost systems to the forefront of this exciting revolution.

Simple HDCVI-IoT system diagram:



## HDCVI 4.0 4K

HDCVI-4K for superior video capture with up to 8MP resolution

## HDCVI 4.0 IoT

HDCVI-IoT for integrated multi-dimensional sensing (Internet of Things)



• • ● Benefits • • •

### HDCVI Infrastructure

Reuse existing analog infrastructure while retaining all advantages of an HDCVI video surveillance system.

- Protect your investment through seamless upgrade across existing analog infrastructure.
- Plug & Play devices reduce labor costs.
- HDCVI long distance transmission capabilities allow flexible deployment.
- Transmission over coaxial media ensures high levels of information security and privacy protection.

### Sensor Integration

Tight integration of HDCVI cameras with diverse array of sensors enables HDCVI-IoT to perceive and judge.

► Temperature and Humidity Camera



► Gateway Camera



► MotionEye Camera



### Temperature and Humidity Camera

- Video with real-time environmental info overlay enhances data collection efficiency.
- Senses sudden environmental changes to provide early warnings.
- High detection precision for reliable temperature and humidity monitoring.

### Gateway Camera

- Access up to 32 wireless alarm devices, including smoke detectors, water leakage detectors, door contacts, panic buttons, sirens, etc.
- HDCVI video monitoring provides visual records for triggered alarms.
- Supports 433MHz/868MHz/915MHz wireless frequencies in accordance with Dahua Airfly protocol, facilitating system integration.
- Up to 100m range for integrated devices, covering large monitoring area.

### MotionEye Camera

- Motion detection & PIR combine with up to 4MP video to provide intrusion detection with visual alarm verification.
- Consistent PIR detection range and camera field of view ensure detection accuracy.
- Accurate and reliable intrusion alarm saves storage space during motion detection triggered recording.

### IoT Management

The IoT XVR presents a brand-new concise and user-friendly GUI. It provides specific management module for IoT features including data reports and alarm threshold settings.



• • ● Applications • • •

## HDCVI 4.0 AI

HDCVI-AI for transferring HDCVI-video into searchable structured data (Artificial Intelligence based on deep learning)

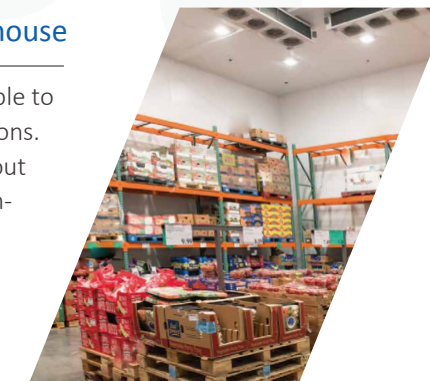
### Intelligent Agricultural

HDCVI-IoT enhances the production efficiency of agricultural applications. Rather than through manual labor, HDCVI IoT systems overlay temperature & humidity info onto video and can output data reports. Once environmental parameters exceed a set threshold, the system can sound an alarm and even trigger lights, air conditioning, water nozzles, and other regulators.



### Intelligent Warehouse

With HDCVI-IoT, a climate-controlled warehouse is able to prevent theft while monitoring storage conditions. Security personnel are automatically alerted about events such as an intrusion, and all alerts are accompanied with video for verification. Warehouses already equipped with analog systems can be easily upgraded to HDCVI-IoT at little cost.



### SMB Solutions

HDCVI-IoT provides a comprehensive surveillance system for SMB solutions such as stores and offices, or for home use. An HDCVI gateway camera connects to various wireless alarm devices such as smoke detectors or door contacts, enabling instant video verification of alarm events.





## RECOMMENDED MODELS

### DH-HAC-LC1220T-TH

2MP HDCVI Temperature and Humidity Camera



- 25/30fps@1080P, 20m IR range
- Built-in temperature & humidity sensor
- Temp. & RH real-time overlay and upload
- Detection accuracy:  $\pm 2^{\circ}\text{C}$  /  $\pm 5\%\text{RH}$
- Detection range:  $-40^{\circ}\text{C} \sim 60^{\circ}\text{C}$ , 10-95%RH
- DC12V $\pm 30\%$ , IP67

### DH-HAC-LC1200SL-W

2MP HDCVI Gateway Camera



- 25/30fps@1080P, 30m IR range
- Built-in Airfly transmitter
- Supports international frequencies: 433/868/915Mhz
- Accessible by up to 32 wireless devices
- Up to 100m wireless alarm transmission distance (open space/no interference)
- Supports real-time data & alarm upload to recorder
- DC12V $\pm 30\%$ , IP67

### DH-HAC-ME1400B

4MP HDCVI MotionEye Camera



- 25/30fps@4MP, 20m IR range
- Accurate motion detection with video & built-in PIR
- PIR detection range/angle: 10m/110°
- Consistent FOV-H to PIR detection range
- DC12V $\pm 30\%$ , IP67

### DH-HAC-ME1200B

2MP HDCVI MotionEye Camera



- 25/30fps@1080P, 20m IR range
- Accurate motion detection based on video & built-in PIR
- PIR detection range/angle: 10m/110°
- Consistent FOV-H to PIR detection range
- DC12V $\pm 30\%$ , IP67

### DHI-XVR7000-4KL

HDCVI IoT Recorder



- Brand new user-friendly GUI
- Exclusive management modules including IoT/POS
- Real-time IoT data display and statistic reports
- Redundant battery optional, operates device for one hour during power outages
- Intelligent fan speed enables less noise and higher reliability
- Elegant new design, supports vertical placement

### DH-PFM871A-N1

HDCVI IoT USB Dongle



- Connects to wireless alarm devices such as smoke detectors or door contacts
- Built-in Airfly transmitter
- Supports international frequencies: 433/868/915Mhz
- Up to 500m wireless alarm transmission distance (open space/no interference)
- Low power consumption, long-lasting, and energy-saving
- Supports USB2.0 & USB3.0, plug & play
- Industrial quality ensures 24X7 highly reliable operation



QUALITY BY DESIGN

\* Design and specifications are subject to change without notice.

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