

# Hitachi Smart Camera 200

## SPEC SHEET

Hitachi Smart Camera 200 is ideal for small, medium and enterprise business applications that require coverage or remote monitoring of large areas. It is also Hitachi Visualization Suite (HVS) enabled for fast setup, instant remote viewing and up to 1TB of video at the edge.

### Full-Featured Wireless Surveillance Camera

The Smart Camera 200 includes onboard analytics, such as line crossing, intrusion and motion detection, scene change and face detection as well as video tampering. Built-in features like auto-backlight compensation, wide dynamic range (WDR) and smart IR (infrared) technology, auto-white balance and digital noise reduction deliver detailed, 24-hour remote surveillance of large areas in high- and low-light surveillance.

### A Complete Surveillance System

The Smart Camera 200 includes a built-in CPU, allowing it to function as a complete, standalone surveillance tool. Recordings can be made continuously or whenever movement is detected. Email notifications can be sent when motion is detected, keeping you informed about what is happening, no matter where you are.

A built-in 1TB hard drive along with FTP file transfer and live image snapshot capabilities allow the camera to record independently, with up to 30 days of edge storage. As shown in Figure 2, Smart Camera 200 can also be used as part of a multicamera surveillance system through the Hitachi Visualization Suite, which supports up to 300 cameras.



Figure 1. Smart Camera 200

### Product Highlights

#### HD Image Quality and Detail

High-resolution two-megapixel sensor delivers high-definition (HD) resolution images and video to capture the details you need.

#### Outdoor Ready

Lightweight, weatherproof housing protects the camera from elements.

#### Reliable, 24-Hour Surveillance

Integrated video-enhancement features deliver a clear picture at night, even in complete darkness, for a dependable, 24-hour surveillance solution.

#### Motion Detection

Enhanced email alerting is based on motion-sensing technology.

#### Wireless Network Connectivity

Connect to your existing cellular or

Wi-Fi network wirelessly for high-speed transmission of video feeds without additional network cabling.

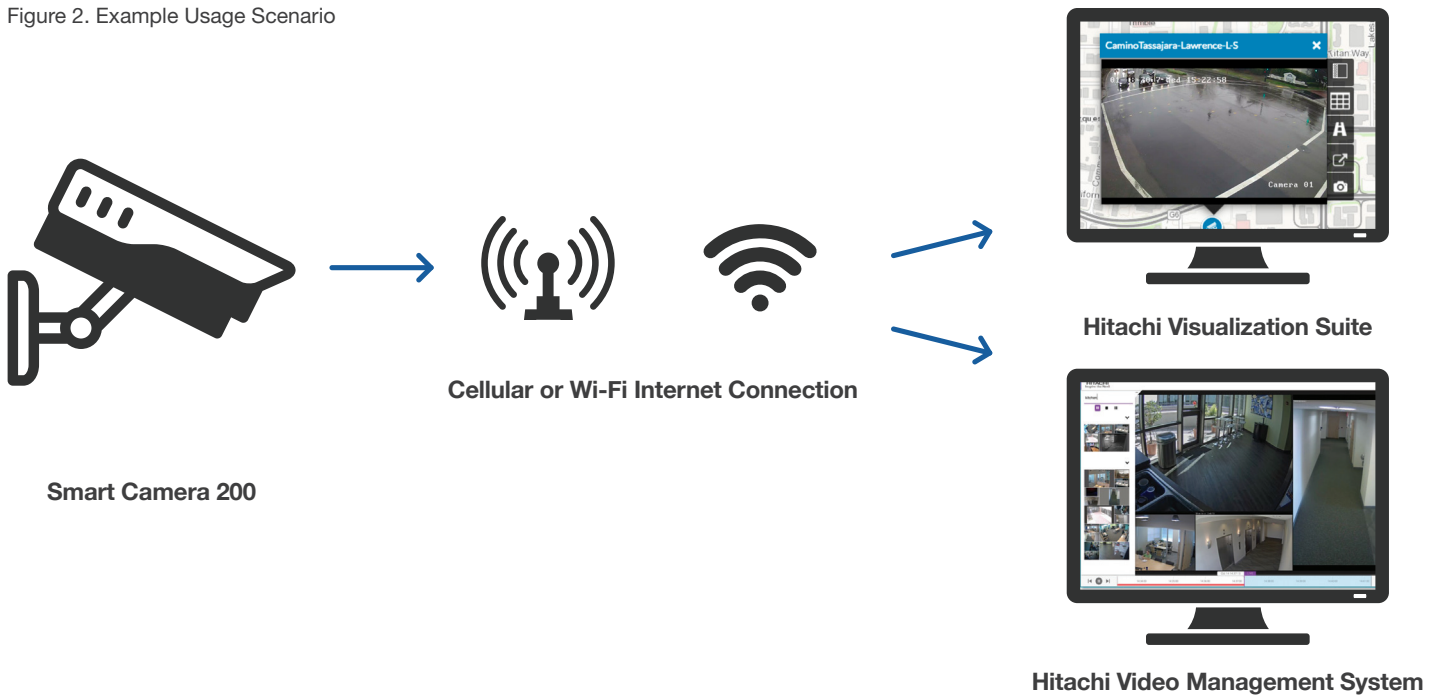
#### Local Recording

Record video directly to a 1TB hard drive.

#### On-Board Analytics

Benefit from line crossing, intrusion and motion detection, scene change, face detection as well as video tampering.

Figure 2. Example Usage Scenario



## TECHNICAL SPECIFICATIONS

### General Specifications

#### Hardware specifications

- 1.2 GHz 64bit quad core ARM v8 processor
- 1GB RAM
- ideoCore IV 3-D graphics core
- Integrated 5-port switch

#### Video quality

- 2-megapixel, multiple streams
- H.264

#### Video features

- 2-megapixel progressive CMOS sensor
- Infrared (IR) illumination distance (20-30 meters)
- Focal length (4 mm) • Aperture: F2.0
- Exposure time: 1/7.5 sec to 1/10,000 sec.
- Angle of view: 79°at 1920 × 1080 resolution

#### Day/night capabilities

- Auto-backlight compensation
- Wide Dynamic Range (WDR) and smart IR
- Auto white balance
- Digital noise reduction

#### Camera specifications

- Infrared capabilities
- Motion detection support
- Video tampering support
- Line-crossing detection support
- Intrusion-detection support
- NAS and snapshot support

#### Network protocol support

- IEEE wireless 802.11n
- Bluetooth 4.1
- Bluetooth Low Energy (BLE)
- Auto-carrier sensing (AT&T, Verizon, T-Mobile, and Sprint)
- 3G, 4G and LTE support with multiple LTE bands that support LTE, xLTE and LTE2
- GPS and quality of service (QoS) support

## General Specifications (Continued)

- Security
- Advanced wireless security, including WPA2
  - Dual-active firewalls for cellular (SPI and NAT)
  - Remote management services, including VPN
  - Multilayered zoned Layer 2 and 3 firewall

## Connectivity

- Connectivity
- 4G LTE
  - WAN over Wi-Fi
  - GPS
  - Data usage management, quotas and alerts

- Remote access restrictions
- Illegal login alarm
  - Access logs

- Hitachi Visualization Suite (HVS) integration
- Live and archived video
  - Access to FTP server for alarms and alert snapshots

## Automated Alerts

- FTP or email for the following alert conditions
- HDD error
  - HDD full
  - Illegal login
  - Line crossing
  - Intrusion detection
  - Motion detection

## Edge Storage Specifications

- Onboard Storage
- 1 TB HDD
  - FTP server for alarms and alert snapshots

- Onboard Archiving
- Constant recording (full HD)
    - 30 days, 50% complexity, H.264, 10 fps (HDD)
  - Constant recording (3 MP)
    - 20 days, 50% complexity, H.264, 10 fps (HDD)
  - Record on motion recording (full HD)
    - 50 days, 50% complexity, H.264, 30 fps (HDD)
  - Record on motion (3 MP)
    - 35 days, 50% complexity, H.264, 30fps (HDD)

## Physical Specification

- Dimensions (LxWxH)
- 19 in. (48.3 cm) x 6.5 in. (16.5 cm) x 12.5 in. (31.7 cm)

- Weight
- 14 lbs

- Power input
- 85 ~ 264VAC, 47 ~ 440Hz

- Certifications
- UL, FCC, PTCRB, IP66 Enclosure

## Environmental

- Temperature
- -23° - +50° C



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