HAUTESP☀T ®
N e t w o r k s
Where the network ends, we begin.™

HauteEDGE HiveCAM® 5MP Wireless Camera

An Intelligent Solution for Remote Video Surveillance

Applications

- Campus
- City parks and public areas
- Sports and outdoor events
- Military perimeter security
- Oil and gas fields & platforms
- Office parks
- Transit
- Law enforcement
- Border/Perimeter Security

Benefits

- Cost effective
- No single point of failure
- Simplified installation
- Seamless scalability
- Greatly reduced bandwidth (no need to stream everything at high resolution, only send events and store everything else at the edge)
- Always record, local storage.
- Low power consumption
- Fully self contained

Why Buy Just a Camera When You Can Buy a System

The HauteSpot HiveCAM® is a revolutionary breakthrough in IP video surveillance technology. It combines a high performance IP camera, a wireless router, a Video Management Server (VMS), a remote sensor monitor, and an open standard application server into one small, easy to install, power efficient package.

The HiveCAM is the first complete video surveillance system that is completely distributed. Every HiveCAM is a self sufficient system in itself. We start with a full function x64 architecture Quad Core processors, massive 240GB mSATA SSD storage, a GPU capable of processing up to 1080p100 H.264 encode/decode/transcode, and I/O ports to support almost any sensor data gathering imaginable.

Matched to the processor is a 5 megapixel high performance, high speed imager which supports up to 50fps at high definition. The imager is matched to a high quality varifocal lens and supports wide dynamic range.

For communications, the HiveCAM comes with a high gain 2x2 MIMO 2.4/4.9/5 GHz radio supported with a complete wireless routing stack. The HiveCAM can be a wireless client, a wireless mesh node, or a wireless AP, depending on your requirements. And it's 1Gbps Ethernet port allows it to connect to other IP cameras or devices. It can even act as a VMS to those other cameras.

More Camera.
More Storage.

Simplicity of Installation
The HiveCAM supports passive 1Gbps 12VDC Power Over Ethernet (PoE), all you need to do is mount it to a pole or the side of a building, plug it in to AC power or a solar DC system, and you are done!

Open Standard Platform
The HiveCAM runs the latest version of Linux x64 allowing simple extensibility through the use of distribution packages, or it can run MS Windows 7 Pro, Mac OS, or iPhone OS. The functionality of the HiveCAM can be defined by the system integrator, making the HiveCAM1500 future-proof. New features are just a software update away.

Designed for The Rigors of the Edge
The HiveCAM is rated for extended temperature range operation from -20 to +70C, allowing it to run in the most extreme environments without the requirement for external, expensive, heating and cooling solutions.

Power Efficient
The HiveCAM consumes very little power. Depending on configuration, this can be as little as 12 Watts, making it ideal for low power operations such as solar, wind, and fuel cell applications.

Distributed Storage
The HiveCAM goes further, creating a fully secure (256 bit AES encrypted) VPN mesh between camera nodes. This VPN mesh runs over local wireless layer 2 mesh, local Ethernet, or cellular using user supplied USB modems. Using the VPN mesh, the cameras can exchange data, distribute storage, share alerts and alarms, and even run distributed analytic processes. As you add more cameras to your system, you linearly scale up your processing performance and storage capacity, allowing for limitless growth and unparalleled reliability.

Software

- HiveMINDER™ —a simple, low cost VMS*
- Mobile Video Vault™—a comprehensive, intelligent VMS*
- Mobile Video Edge™—video management for roaming application and live situational requirements.*

* Any of the three solutions can be deployed using Video Surveillance as a Service (VSaaS) as well. Call us for more details.

PROCESSOR, GPU, AND MEMORY
- Intel x64 architecture CPU
- 4 cores, 4 threads
- 1.91GHz with 2MB L2 cache
- 4GB on-board DDR3DL 1066MHz soldered on
- Intel Quick Sync H.264 hardware acceleration (1080p100 encode/1080p120 decode)

NETWORK AND USB INTERFACES
- 802.11 a/b/g/n high gain 2x2 MIMO radio
- USB 3.0 support for LTE, UMTS, HSPDA, EVDO, GSM Edge cellular wireless modules
- 1 ea 10/100/1000bps Ethernet

WIRELESS
- **Data Rate:**
  OFDM:
  BPSK. 6Mbps, 9Mbps
  QPSK. 12Mbps, 18Mbps
  16QAM. 24Mbps, 36Mbps
  64QAM. 48Mbps, 54Mbps
  DSSS:
  1,2,5.5, 11Mbps
  MIMO:
  20Mhz 1 Nss
  65Mbps@800Gi
  72.2Mbps@400Gi (Max.)
  20Mhz 2 Nss
  13Mbps@800Gi
  144.4Mbps@400Gi (Max.)
  40Mhz 1 Nss
  135Mbps@800Gi
  150Mbps@400Gi (Max.)
  40Mhz 2 Nss
  270Mbps@800Gi
  300Mbps@400Gi (Max.)
  Channel Width : 5/10/20/40 Mhz
- **Network Standards**
  WECA (Wi-Fi & Wi-Fi5)
  IEEE 802.11, a, g, b, e, f, h, i,n
- **Compliance**
  FCC Part 15 Class B (modular)
  ETSI 300.328
  ETSI 300 826
  CE mark
  FCC Part 90Y (modular)

POWER, MECHANICAL, ENVIRONMENTAL
- Power: +12DVC Input Socket (1A typ.)
- PoE: 12VDC passive power
- Operating Temp: -20 to +70C with heater/blower, 0 to 65C without
- Storage Temp: -40 to 80C
- Relative Humidity: 5 to 95% non-condensing
- RoHS and WEE compliant

AUDIO
- Built in Microphone
- External Audio input
- Line Out
- Full Duplex Audio

VIDEO AND I/O
- HDMI 1.4a for HD 1920x1200 output video interface
- 24bit LVDS for integrated display (optional)
- HD Audio and Mic-in
- 1 x USB 3.0 externally exposed
- 5x USB 2.0 on headers available for custom use
- 2x Serial RS232/422/485 headers available for custom use
- Watchdog timer

STORAGE
- mSATA 64 or 240GB SSD standard
- SATA2 for additional storage available

IMAGER FEATURES
- Max. Resolution: 2560x1920 (Approx. 4,900,000 Pixels)
- Scan Mode: Progressive
- Sensor Size: 1/2.5" [5.70mm(H) x 4.28mm(V), Diagonal 7.13mm]
- Pixel Size: 2.2µm x 2.2µm
- G Sensitivity: 053/lux-sec (55nm)
- Dynamic Range: 66.5dB
- A/D Converter: 12-Bit RGB
- S/N Ratio: 40.5dB
- Spectral Range: 380-650nm (with IR-filter)
- Video Format & Frame Rate:
  15fps @2560x1920
  15fps @2048x1536
  32fps @1920x 1080
  50fps @1280x720
- Exposure: Electronic Rolling Snap (ERS), Auto
- White balance: Auto
- Capture/Control API: Native C/C++, SDK, DirectShow, Twain, VFW

LENS
- Mount: C
- Focal length: 3.8mm - 13 mm (3x4x)
- Focus: Manual
- Iris Range: F1.4 - T360 (Equivalent to F360)
- Iris: Manual
- Zoom: Manual
- Back Focal Distance (In Air): 10.60mm
- Exit Pupil Position (From Image Plane): 461mm
- Object Dimensions at M.O.D.
  4:3 Aspect Ratio
  - Wide   715 mm x 452 mm
  - Tele   170 mm x 126 mm
  16.9 Aspect Ratio
  - Wide   851 mm x 347 mm
  - Tele   185 mm x 103 mm
- Angular Field of View
  4:3 Aspect Ratio
  - Wide   97°34′ × 71°47′
  - Tele   28°23′ × 21°18′
  16.9 Aspect Ratio
  - Wide   107°12′ × 58°10′
  - Tele   30°55′ × 17°25′
- Focusing Range (From Front of the Lens)
  0.3 m - ∞

ENCLOSURE
- Meets NEMA Type 4x and IP67 standards
- IK10 impact rated
- Accommodates wide-angle lenses up to 135º
- Adjustable sun shield
- Hinged wall mount allows for easy installation
- Standard wall/pole mount
- 12 VDC passive PoE input
- Heater/Blower (can be enabled or disabled as needed)

OPERATING SYSTEM
- Microsoft Windows 7 Pro 64-bit
- Debian based Linux 64-bit with Cinnamon Desktop

ELECTRICAL
- Blower (Internal): Yes (Continuous), can be disabled
- Heater (Internal): Thermostatically controlled, can be disabled
- Effective Projected Area (EPA): 101 in^2
- Heater activates at: 60°F (15.5°C)
- Heater deactivates at: 80°F (27°C)
- IP rating (Weather rating): IP67 / NEMA 4
- Maximum Wind Load: 150mph (240kph)
- Operating Temperature: -4°F to 158°F (-20°C to 70°C) with heater blower active with spikes to 165°F (74°C) per NEMA TS2 standard.
- Input to Power Supply 90-240VAC
- Input to PoE Injector from PS: 12VDC@3A
- Power Consumption: 12W, 12VDC@1A peak without heater blower, 22W, 12VDC@2A peak with heater blower

DIMENSIONS AND CONSTRUCTION
- Mounting Style: Wall or Pole
- Size (l*w*h): 17.9" x 5.7" x 10.5" (455 x 145 x 267mm)
- Weight: 5.5 lbs (2.5 kg)
- Construction Body and Top: Polycarbonate
- Mounting Bracket Construction: Cast aluminium
- Mounting Pattern (W x H): 2" x 4.25" (51 x 108mm)
- Window Construction: Scratch resistant polycarbonate

REGULATORY APPROVALS/INDUSTRY STANDARDS
- CE/FCC/RoHs

ORDERING
- HiveCAM1503—5MP, Window OS
- HiveCAM1504—5MP, Linux OS

Contact Us
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