BEEHIVE 1000

Bandwidth Module. 3G/WiMAX, Copper, Fiber Optic, GPS Connectivity:

- Receive facial recognition files, send data for remote analysis, GPS positioning identification, etc.

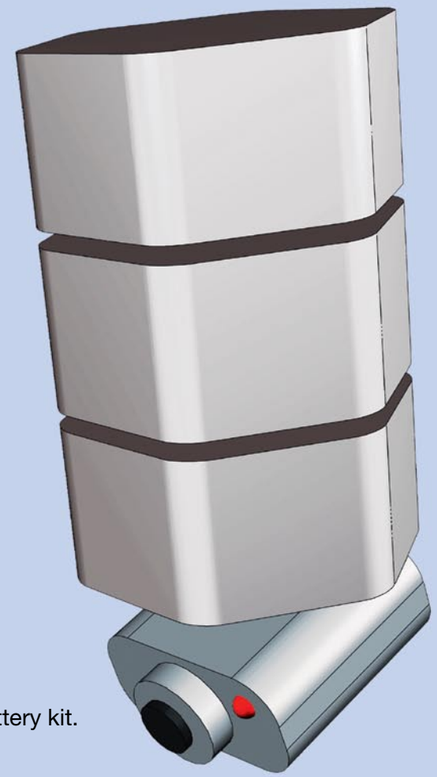
WiFi Module. 2.4GHz Broadband Connectivity:

- Cell / VoIP
- Web / VoIP
- Cell / Web / VoIP

Switching Module. Switching for All Modules.

Sensing Module. Digital Spectral Image and Processing:

- Detect explosives / drugs, facial recognition, etc.



Technical Specifications

- Power consumption 1Kw
- Weight: 30 Kg
- Environmental: operations at -30 – 140 +F
- Standard Detection range: up to 100 feet
- Standard Power source: operates off from vehicle or direct power source. Can be powered by optional battery kit.
- All modules are plug and play.
- Easy upgrades of all features.
- Redundant networking built into all systems

RoamZone **Security Systems**

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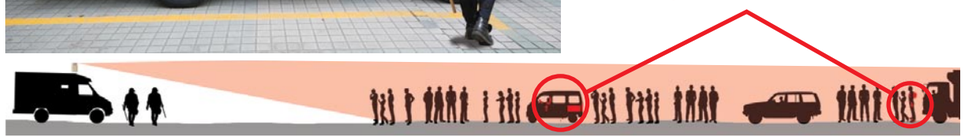
Beehive 1000

Anti-terrorism solution in a box

Mobile Deployment

The Beehive 1000 can mount on a vehicle rooftop to deliver 360 degree coverage and rapid deployment into fast-changing environments.

In this scenario, the Beehive detects explosive residue on the exterior of a parked vehicle. It also detects explosive residue on the body, hands and feet of a person in the crowd.



Multi-Unit Deployment

Cover large areas in dense urban environments with multiple Beehive 1000 units to detect individuals in a crowd carrying dangerous material.

In this example, multiple Beehive units provide total coverage of a subway station to identify an individual with explosive residue on his body, hands, feet and backpack.

Stand-alone Deployment

Use the Beehive 1000 to scan individuals entering buildings, secure areas and other protected spaces.

Depicted below, a security check point uses a Beehive unit to sweep a line of individuals being screened before entry and identifies a person with explosive residue on his clothing long before he reaches the front of the line.

Beehive 1000 Standard Features

- Real-time detection and identification of over 100 different hazardous substances, including all known explosive substances, at distances of up to 100 feet.
- Real-time capability to tag and track vehicles, persons of interest in a crowd, at a checkpoint, or at a public event within the Beehive network.
- Patented "Telmar" deployment design system for law enforcement vehicles, enabling pan-zoom-tilt option for camera system, or spring pin locking system option.
- Quick–release attachment system allows easy installation and removal from any vehicle or mounting system, enabling the Beehive 1000 to be rapidly deployed anywhere.
- Real time audio and visual alert signals upon identification of a threat. This standard option enables the operator to receive real time alerts, with actionable information for quick reaction.

The Beehive is a 12" diameter (octagonal) x 24" high modular unit that mounts on a 1" thick rail for simple installation and access.

- Real time, exact identification and location of substances, persons of interest, or other threats displayed on the standard Notebook control unit.
- Recording and storage of all camera images for a time period identified by the customer.
- Automatic Beehive-to-Beehive sharing and handoff within the Beehive system ensures that all Beehives within the operating area receive real time updates and alerts for an area.

Beehive 1000 Plug-and-Play Options

- Remote display unit. Provides remote monitoring of Beehive system (on-site or off-site) up to 300 meters distance on a hard wire system or unlimited distances via the secure, encrypted Beehive wireless network.
- Facial recognition. Provides the unique ability to conduct real time analysis of biometric facial features and match those features to a data base of known persons of interest. Once identified, the standard beehive features allows real time tracking of the person or persons within the Beehive network.
- Audio detection. Permits the Beehive 1000 to identify and provide the exact source and location of selected sounds, such as a weapons discharge or explosion within the Beehive network. System will provide GPS coordinates.
- Rapid deployment battery power source system. Enables the Beehive 1000 to be deployed anywhere and remain fully functioning without any external power source.
- Thermal imaging. Provides state-of-the-art thermal imaging for enhanced detection and anti-terrorism capabilities. This feature is a critical component in the identification of concealed personnel, bio hazards, and heat generating threats such as recently used weapons, some explosive compounds, etc. (available late 2009).
- Air sampling. Provides real time detection of selected hazardous gases. This feature is a critical component for effective chemical or biological threat detection (available early 2010).
- Radiological detection. Provides real time detection and tracking of sources of radiation within the Beehive network. Designed to provide coverage at ranges up to 50 meters (available early 2010).
- Concealed trace detection. Real time detection and identification of up to 120 different hazardous substances underneath standard clothing items at distances of up to 100 feet (available early 2010).
- Long-range trace detection. Real time detection and identification of over 100 different hazardous substances, including explosives, at distances of up to 5 kilometers (available early 2010).

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