



bee-cam

Indoor localization & mapping for bodycams and wearables



About The Product

Cyberbee's tailor-made, computer-vision-based technology provides precise, robust spatial understanding in GPS-denied environments where current solutions are large, uncomfortable, require installation of dedicated infrastructure, and expensive. Powered by Cyberbee's Bee-MX8 sensor, our navigation technology capability enhances standard bodycams used by first responders, security, and law enforcement personnel by equipping them with precise localization ability and the capacity for real-time local map-building - **the only system that can do it indoors as well.**

Key Features

- ✓ Robust 3D Localization and Mapping
- ✓ Real time localization stream to back command
- ✓ Real time mesh mapping stream to back command.
- ✓ Communication 4G/RF
- ✓ Indoor/Outdoor Operation

The Pain

In emergencies, when entering unfamiliar locations, first responder teams divide into sub-squads or individuals. The command center lacks real-time visibility of each individual's location or spatial data of the deployed area. The information is crucial for safety, management, coordination, and overall operational efficiency.

The Solution

Each team member carries a small, low-weight module, transmitting real-time, precise **localization data** of each team member within a building or structure on a **comprehensive real-time map**. This information enhances situational awareness for mission commanders, enabling them to make informed decisions, allocate resources effectively, facilitate better coordination, allocate resources effectively, and efficiently manage the emergency.

The Cyberbee technology can be integrated by bodycam developers and manufacturers that are looking to augment their products' value proposition.

Cyberbee requires software and specific hardware architecture (the Bee-MX8 sensor). The hardware can be provided as a reference design, allowing developers to simply integrate our technology into their products.

Contact us to discuss your specific market and application