Vorbeck HD4

Hot Zone to Cold Zone Communications
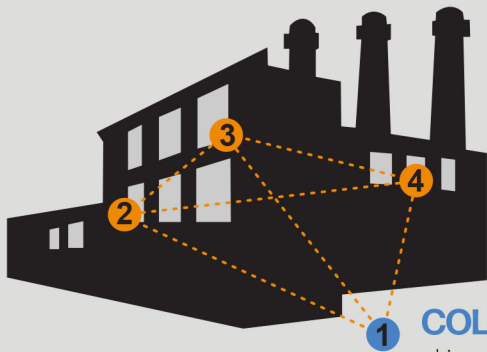## in one piece of wearable tech
LIVESTREAMING VIDEO, VOICE & DATA

Vorbeck HD4 harness provides secure reliable communications in challenging environments to improve safety and effectiveness:
o Connects you to the cold zone and to each other
o Enables livestreaming video to cold zone and subject matter experts
o Allows you to send and receive live video between team members
o Extends communications into tunnels, factories, dams, and skyscrapers through an advanced self-healing mesh network

Vorbeck HD4 is one-piece of gear that can be put on in seconds:
o Fits comfortably with hazmat suits, SCBA and other gear
o Allows hands-free operation of voice and video
o Expandable with additional third-party sensors
o Made with DuraChem® 500 material

HOT ZONE (factories, buildings, tunnels)
- Low-light camera
- Hands-free voice
- Mobile display (video, maps, data)

COLD ZONE
- Livestreaming HD video
- Voice (open channel/PTT)
- Ambient audio

waterproof

audio visual hub

accessory panel

embedded electronics

mesh radio with up to 300 Mbps data rate

fits underneath SCBA

swapable battery

decontaminable

Vorbeck

1.35

Vorbeck HD4

Designed from the ground up for the unique comms challenges faced by today's first reponders

The Vorbeck HD4 communications harness contains four high-performance embedded antennas, completely removing any antenna protrusions. Vorbeck HD4 forms a secure self-forming mesh network to enable livestreaming video from the attached low-light camera, clear voice, and high-speed data. The Vorbeck HD4 is lightweight, waterproof, and designed with NFPA 1994 certified material to allow for decontamination.

Specifications

Vorbeck HD4 communications harness
Sizes: 38 – 50 (adjustable)
Construction: NFPA 1994 certified material
Antennas: 4
Frequency: 2.4 GHz, 5.8 GHz
Features: Made with DuraChem®500 (NFPA 1994 certified material)

Radio

- High bandwidth (up to 300 Mbps) mesh-networking radio powered by Rajant's patented InstaMesh® networking software
- 4x4 Multi-in Multi-out (MIMO) capability
- Can function as local area WiFi access point for connecting WiFi-capable devices to the mesh network

Video

- Mini IP-66 rated low-light camera
- 1280 x 720 resolution at 30 fps for clear, high quality video in real time
- 2.8mm fixed lens, with an f/2.0 aperture, for a 81° horizontal FOV
- Camera mounted on a quick release housing

Voice

- Push-to-talk or voice-activated open mic headset for hands free operation

Battery

- 12V 7,200mAh Li-ion battery (8-10 hour continuous)

The HD4 meshes with Vorbeck's Drop Node to expand the range of your network

Vorbeck