DAYTON PHOTONICS



FREE SPACE OPTICAL COMMUNICATION

EMI Resistant & Covert Communications

RF-based wireless technologies are susceptible to EMI and are highly detectable. The best path forward is to harness the power of optical signals. *B-Link*, a new product by Dayton Photonics, is the first to provide an **11 Gb/s *fiberless, fully* optical link that is EMI resistant, eye-safe, and covert**.

A New Tool for Deployable Networks

B-Link brings the **high performance** of fiber optics together with the **ease of use** of wireless RF. Our patented beam steering enables a pop-up deployable, low-CSWAP system for ad hoc networks.

- **Identical signal to fiber optics**
- **Compatible** with all existing comms technologies
- **Automatic** signal acquisition & continuous signal optimization
- **No** specialized technician training
- Mount on **any vertical asset**
- **Not FCC regulated**

Founding Team



Emily Fehrman Cory, Ph.D.
CEO

- tech transfer/ commercialization
- nanofabrication
- photonics



Cullen Bradley
CTO

- optical communication
- lidar
- photonics

B-LINK

System Specifications

Availability	Q4 2024
Bandwidth	11 Gb/s
Latency	2-3 ms
Range	4 miles
Dimensions	8 x 8 x 8 inches, 8 lbs
Interface	Optical / Ethernet / Thunderbolt
Control	App - Cell or Computer
Power	50 W

+937-303-1733 dayton-photonics.com info@daytonphotonics.com