



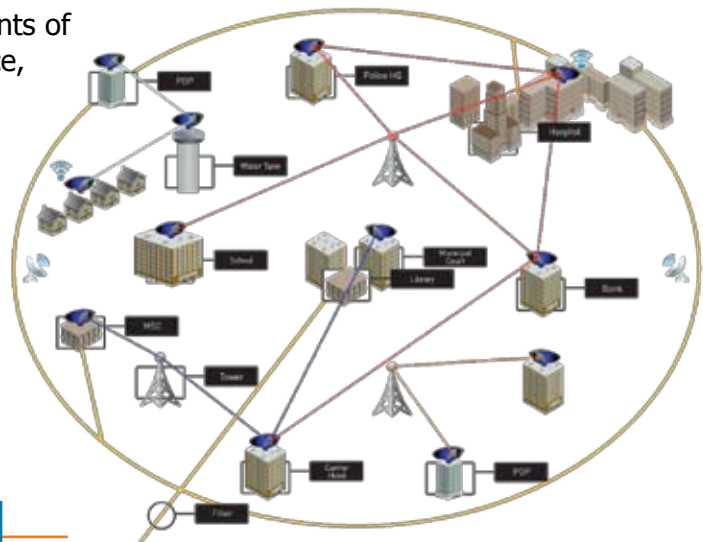
## *iBeam* - Optical Wireless

Affordable - Accessible - Four 9's SLA

By 2014, there will over 40,000 Petabytes of mobile traffic moving across the global telecommunications network annually. Today's economic dependence on global network connectivity has resulted in unprecedented demands for greater capacity, faster speeds and higher quality broadband coverage to support the proliferation of voice, data, and video content in both wired and mobile enterprises.

As of 2009, over 75% of all U.S. commercial buildings still do not have fiber access.

Both Carriers and Enterprises need a cost effective way to keep up with the explosion in broadband demand. Broad Sky's *iBeam* solution offers high-capacity broadband at low cost, at as little as one-tenth the cost of in-ground fiber. Deployment takes less than a day; OWB is free of the licenses, permits, and right-of-way constraints of other solutions. With 7 years of industry experience, Broad Sky Networks leverages over a decade of product innovation to deliver a patented Optical Wireless Broadband (OWB) mesh network that allows customers to rapidly expand the capacity of their networks. Coupled with the industry's first On-Demand licensing model, Broad Sky offers a high-performance solution that removes the cost of entry and time to market barriers inherent in other broadband solutions.



### Applications for the *iBeam* Solution

- Wireless Backhaul and Overlay Networks
- Fiber Extension and Last Mile Access
- Healthcare and Campus Solutions
- Municipalities and Local Government
- Security and Surveillance Networks
- Emergency Response Networks
- Homeland Security and Federal Government

### KEY BENEFITS

- High Bandwidth
- Low Cost
- Rapid Deployment
- Reliability and Security
- Patented Architecture
- Green Technology





## *Product Portfolio Overview*

Broad Sky Network's Optical Wireless Broadband, or OWB, is a technology that uses infrared light to transmit highly secure optical wireless data, utilizing air as the transmission medium. Broad Sky network's portfolio is comprised of four main products:

### iBeam

Broad Sky Network's flagship product delivers a secure, reliable point-to-point Optical Wireless Broadband link, providing 1 Gbps of bandwidth over distances of up to 1.6 km per link. Using our patented mesh network deployment, iLinks can also be combined to cover larger areas.

### iBeam RF+

For installations that experience extreme weather conditions such as frequent heavy fog, Broad Sky also offers iBeam RF+, a standard SkyLINK paired with an 802.11n radio backup link. In severe weather, the primary OWB link automatically switches to the 802.11n backup radio; ensuring connectivity is maintained. The iBeam RF+ product delivers 1 Gbps of bandwidth during normal operations, and 100 Mbps during severe weather conditions.

### iBeam BCast

Broad Sky provides customers with multiple ways to maximize the value of their bandwidth, by providing Broadband Delivery Solutions. With iBeam BCast, customers can deliver customized amounts of bandwidth to multiple users.

### iBeam Mesh

For unique coverage needs, Broad Sky can develop a customized mesh network solution comprised of meshed iLinks, providing the customer with an optimized coverage profile. Broad Sky holds exclusive patents on Optical Wireless Broadband Point to Multi-Point (PtMP) architecture, making us the only OWB mesh solutions provider in the industry. iBeam Mesh is also excellent for providing a fast, low-cost way to expand bandwidth on existing networks through network turbo-charging, in which the iBeam Mesh consists of an overlay of iLinks blended with the legacy network.

