LightSpeed™ R55

Automated link finding tracking interface

Primary building

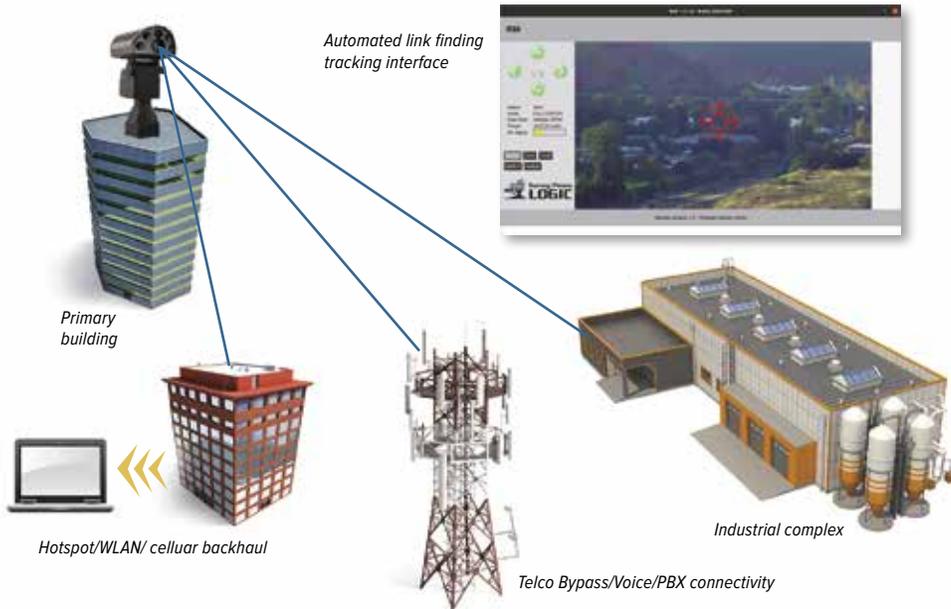Hotspot/WLAN/ celluar backhaul

Industrial complex

Telco Bypass/Voice/PBX connectivity

The LightSpeed™ R55 units are the latest generation of the LightSpeed™ optical communication system, incorporating the latest technology in a handheld package. The eye-safe IR source (Class 1) used by R55 allows non-visible communications between units at distances at extended range. Using the supplied headsets, R55 provides full-duplex voice communication. The units also function as an Ethernet link to a remote computing device or to another system via a standard Ethernet connection. In situations where a hardwire connection is unavailable or undesirable, R55 are the perfect alternative to cables.

• Most secure communication technology on the market

• Bi-directional data, voice, and video

• Point-to-point LAN extension

• Auto signal tracking system built into R55 on pan/tilt

• 100% eye-safe IR LED communications

• Perfect for emergency and temporary communications

• Tripod mounted for ease of use

• Best alternative to cables

• Perfect performance even in fog at distances 5-6 times the visibility limit

Specifications

Voice Communication	16 - 64 Kbps
Data Communication	Up to 20 Mbps
Nominal Voice Range	12+ km
Data Interface	100 Base-T (RJ45)
Operating Distance	10+ km
Transmitter	IR source (Class 1)
Field-of-View	1°
Headset	Included
Size	8.12 x 9.21 x 16.22 in
Weight	8.5 lbs (head alone), 18.9 lbs (w/ FLIR PTU)
Mounting	Tripod (stabilized mount option) or special mount
Power Supply (included)	24-32V DC, 45W head and 48W for PTU
Operating Temperature	-20° to +60° C
Storage Temperature	-40° to +80° C

Computer Network   Camera Network   Building Network

Field Network   Human Voice