

B22U system box



Fog and environmental testing



Shipboard tested

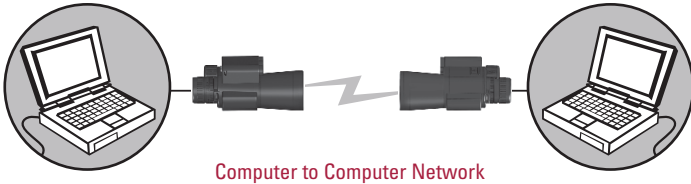
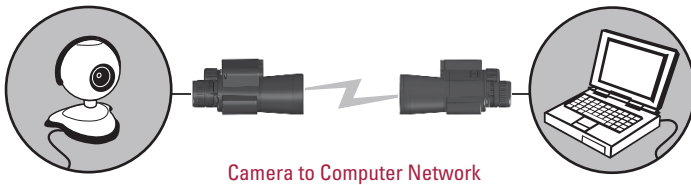
# LIGHTSPEED B22U

## Ship-to-Ship / Ship-to-Shore Non-RF Communications, Data and Distance Device

- Developed for NAVY Operational Logistics Integration (OPLOG) Program
- Replaces legacy Phone and Distance Line (PDL) system during Underway Replenishment (UNREP) with LightSpeed™ technology
- Non-RF covert communication during approach
- Units use eye-safe IR LEDs
- System demonstrated distance measurement and voice communications between ships operating at various speeds
- System demonstrated distance measurement and voice communications between RHIBs operating at various speeds
- System capable of passing any information (including tactical) in any format (open source) from ship (any size) to shore to mobile
- Advantages of the PDL replacement: Reduce Manpower, Increase Accuracy, Increase Safety, Enhance Capabilities
- Perfect performance even in fog at distances 5-6 times the visibility limit
- Non-visible communications between units at distances up to 3.2km

# LIGHTSPEED

## B22U



Voice Communication	16 - 32 - 64Kbps
Data Communication	Up to 1Mbps
Data Interface	USB
Operating Distance	Up to 2miles (3.2km)
Transmitter	IR LED (no laser)
Field-of-View	6.8° for optics and comms
Headset	Any COTS 2.5mm
Size	153mm x 80mm x 182mm
Weight	1,230 grams
Mounting	Handheld, tripod
Power Supply	3 AA batteries or 5V DC, 2.5W
Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +80°C
Magnification	8X
Front Lens Diameter	56mm
Exit Pupil	7mm
Field-of-View	118 meters at 1,000 meters
Eye Relief	18.5mm
Close Focusing Distance	5.6 meters
Diopter Compensation	+/-3.5 diopters



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