

SpectroLink

www.spectrolab.com

Product Highlights

Linking System for SX Series Searchlights

Key Specifications & Characteristics:

- Provides Camera and/or Moving Map Linking to SX-16, SX-10, SX-7, & SX-5 systems
- Digital Linking via Encoders
- Upgrades existing Systems to Link functionality
- Link to RS232 or RS422 interfaces
- Same mounting footprint as SX series Junction Box
- Closed Loop Motor Control
- Does not void warranty



Applications

SpectroLink Integration System allows for linking (slaving) of our heritage Searchlight systems to many camera systems and other systems using RS232 and RS422 interfaces.

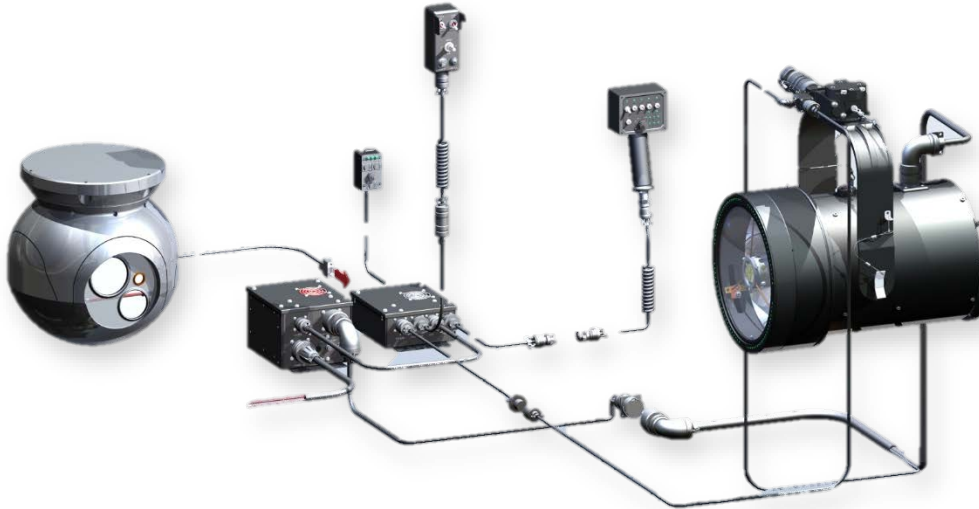
System Description:

The SpectroLink Integrated Communication Linking System was devised specifically to offer an upgrade to heritage systems for linking capability. Our closed loop motor control seamlessly integrates link function among the components thus allowing for your SX-5, SX-16 or IFCO to track with your EO Turret or with your moving map or other system that uses RS232 or RS422 interfaces. Digital Encoders assure that no signal drift occurs as with analog systems. This allows for on target accuracy of within 1°.

Upgrade Kits are available for existing systems or new systems can be ordered with SpectroLink functionality.

SpectroLink System

System Layout With Control Options



Electrical / Interface Specifications

Input Voltage	28 Volts DC, Nominal
Input Current	< 3 Amperes in standby
System Control Interface	<ul style="list-style-type: none"> • System Aux On/Off • Lamp on/off • Two-way focus (zoom +/-) • Variable Directional Slew Rate via pressure sensitive joystick • Link On/Off • Link Status Indicator • RS-232/RS-422 Link Interface
Slew Rate	Variable Speed: 18°/sec max

Envelope Dimensions



Mechanical Characteristics

Operating Temp.	-40°C to +70°C
SpectroLink Box Weight	5.2 lbs. (2.3 kg)
Control Box Weight	13 -18 oz. (368 grams)
System Weight w/SpectroLink	55-70 lbs. (25-31kg)

Reference Documents

Document Title	Document Number
System Layout	033535-OEM
Envelope Drawings	033625-OEM
Operation Manual	033600