

# SpectroLink System

[www.spectrolab.com](http://www.spectrolab.com)

## Product Highlights **Integrated Communication Link System**

### Key Specifications & Characteristics:



- Provides Linking capability for SX-5, SX-16, SX-7 systems
- Digital Linking via Encoders
- Upgrades existing Systems to Link functionality
- Link to RS232 or RS422 interfaces
- Same mounting footprint as SX-5/SX-16 Junction Box
- Closed Loop Position Tracking
- Does not void warranty
- Digital I/O port for custom user interface switches
- RTCA/DO-160E Compliant

## 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 position tracking system seamlessly integrates link function among the components thus allowing for your SX-5, SX-16 or SX-7 to track your EO Turret or 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.

preliminary

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## SpectroLink Box - back



## Mechanical Configuration: Gimbal

Standard Aluminum w/High Speed Motors (18° per seconds)

Approximately 9-10 pounds weight

## Mechanical Configuration: Controller

Dimensions	• 5.25" L x 2.25: W x 1.75" H (13.3 cm x 5.71 cm x 4.4 cm)
Weight	• 6 ounces

## Electrical System

Input Voltage	26-30 Volts DC
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## Mechanical Specifications

Dimensions	8.5"L x 6.5"W x 3.2"H (21.6 cm x 16.5 cm x 8.1 cm)
Weight	2.6 lbs. (± 1kg)

## Mounting

Same footprint as SX-5 / SX-16 Junction Box

Can be mounted on top of existing Junction Box with Standoffs required for fan clearance.



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