

### Overview

The 6G-SDI Extender is a unique solution from Muxlab for extending SDI based cameras or other SDI sources up to 330ft (100m) at up to 4K resolution.

Standard Cat5e/6 UTP cable is used for the extension. The 6G-SDI Extender supports PoE, whereby the Transmitter may be powered by the Receiver. The product allows for versatile combinations of sources, including one 6G-SDI source, two 3G-SDI sources or four HD-SDI sources.

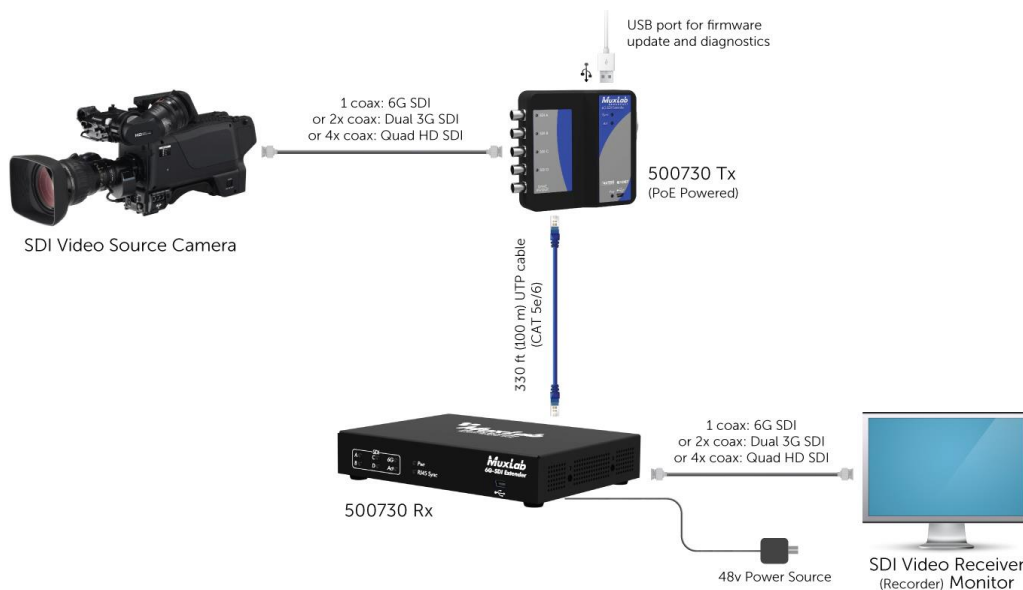
### Applications:

- Cinema recording
- Movie making
- Studio video production
- News media coverage / live reporting



### Key Features:

- Up to 330ft (100m) over Cat5e/6 at 4K
- Supports one 6G-SDI source, two 3G-SDI sources, or four HD-SDI sources
- Up to 4K @ 30Hz resolution
- Supported modes: SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M, SMPTE 425M
- Supports all 6G channel configurations (1/2/4)
- Automatic SDI Link recognition and configuration
- Automatic activation of long reach mode 500ft (150m) when 3G signal detected
- USB interface for field upgradable firmware and diagnostics
- PoE powered, power Transmitter from Receiver
- Ethercon Connectivity and Aluminum Enclosure for ruggedized use



Specification Chart	
<b>Environment</b>	6G-SDI digital signal transmission
<b>Enclosure Type &amp; Dimensions</b>	Black Metal, Dim: 5.6" x 4" x 1" (14.2 x 10.1 x 2.54cm) (RX) / 4.3" x 4.3" x 1" (10.9 x 10.9 x 2.54cm) (TX)
<b>Control</b>	Serial console emulation with USB interface
<b>Front panel (RX)</b>	Mini USB for firmware updates status LEDS
<b>Rear panel (RX)</b>	+48 V power jack BNC for SYNC input signal RJ45 for UTP cable between RX and TX unit 4x BNC connectors for SDI output
<b>Front panel (TX)</b>	BNC for SYNC output signal 4x BNC connectors for SDI output
<b>Rear panel (TX)</b>	RJ45 for UTP cable between RX and TX unit
<b>Top panel (TX)</b>	Mini USB for firmware updates status LEDS
<b>Connectors (SDI in)</b>	4 BNC connectors for SDI input ( 0.8V pp, 75 ohm )
<b>Connectors (SDI out)</b>	4 BNC connectors for SDI output ( 0.8V pp, 75 ohm )
<b>Connectors (sync)</b>	2 BNC connectors
<b>Connectors (control)</b>	Mini USB, for configuration and firmware updates
<b>Connectors (UTP )</b>	RJ45 / Ethercon, for UTP communication
<b>Connectors – power</b>	One standard 2.1mm power jack
<b>Compliance</b>	FCC, CE, RoHS
<b>Power</b>	48V external power supply with US, UK and Euro blades

