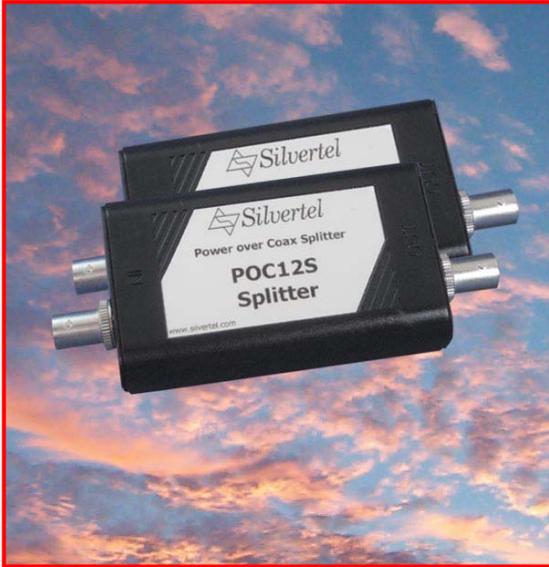


# POC Series from *Silvertel*

## Power Over Coax – Injector and Splitter



Silvertel's POC is a perfect solution for adding power to uncompressed HD video over existing coax cable infrastructure. The POC12I injector supplies a safe 48V onto the cable, which is extracted at the camera end by the POC12S splitter, which converts it to a regulated 12V DC supply for the HD-SDI camera. Transmission distances are the same as those achievable by the cameras without POC, as the passive technology adds no extra signal degradation. With built in safety features and requiring no extra components, installation becomes trivial, all backed up by Silvertel's industry leading technical support.

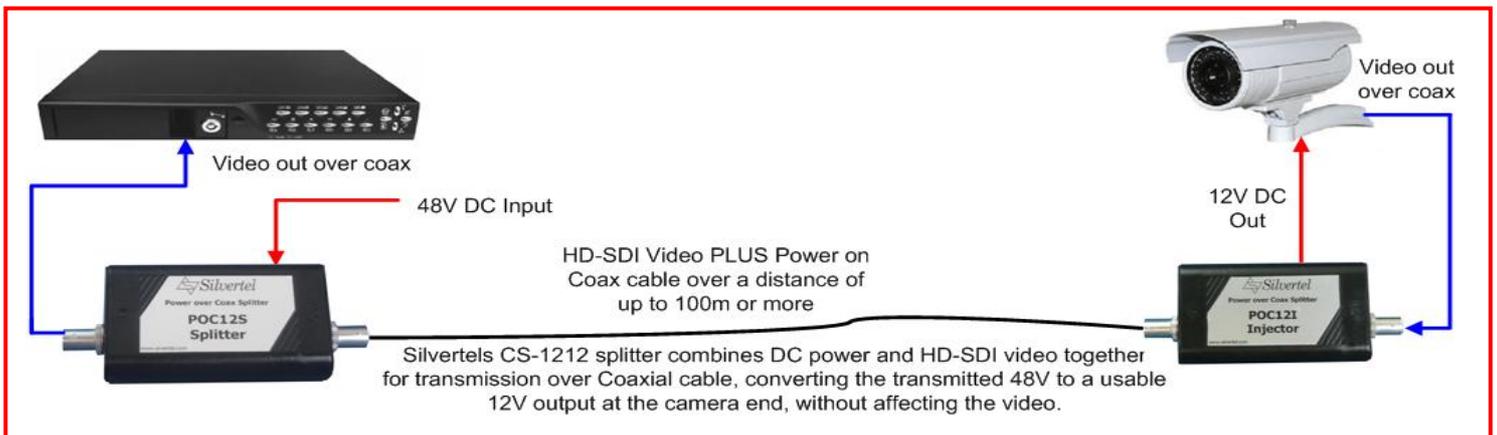
The main products to benefit from Silvertel's POC technology would be HD-SDI and SD-SDI cameras.

### Key Benefits

- **An add-in solution for POC**
  - Power Over Coaxial cable
- **Combines Power with uncompressed HD digital video over Coax**
- **Reduced installation costs**
  - no mains supply needed
- **Range of up to 100m on RG59U Coax**
  - without data degradation
- **Power up to 12W cameras**
- **High efficiency**
- **Small package size**  
Dimensions: 22(H) x 52(W) x 85mm (L)
- **1500V safety isolation built into Splitter**
- **POC Signature recognition for safety between Injector & Splitter modules**
- **Overload and short-circuit protection**
- **No external components required**

### Applications

Upgrade analogue coax based CCTV systems to digital HD-SDI and add power to ease installation through the use of just a single coax cable for both video and power: New installations requiring the low latency and high definition for live viewing provided by HD-SDI are perfect opportunities to take advantage of the reduced installation costs using POC. Any HD-SDI camera up to a power level of 12W can be powered using POC. As cost effective as Silvertel's POE technology, and with its huge benefits in terms of safety, isolation and range POC is ready to deploy in the next generation of HD-SDI products.



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## Power Over Coax – Injector and Splitter

### SPECIFICATIONS

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#### Connectors (Splitter & Injector)

2 x BNC  
DC Jack – 5.5mm (OD) x 2.5mm (ID)

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#### Input Voltage

36V to 57V DC

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#### Output Power

Splitter – 12W  
Injector – 15W

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#### Output Voltage

Splitter – 12V @ 1A  
Injector – 48V nominal

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#### Ripple

Splitter: Typical 100mV p-p

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#### Indicators

Power indicator: Blue LED

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#### Dimensions

Height: 22mm    Width 52mm  
Depth: 85mm

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#### Weight

Injector: 50g  
Splitter: 70g

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#### Operating Temp:

0°C to +50°C

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#### Storage Temp.:

-20°C to +70°C

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#### Operating Humidity

10 to 90% non-condensing

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#### Storage Humidity

5 to 95% non-condensing

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#### Emissions & Immunity

FCC Part 15 Class A  
EN55022 (CISPR 22)  
EN55024 (CISPR 24)

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#### Safety

CE IEC 60950

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#### Reliability MTBF:

100,000 hours @ 25°C

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#### Warranty: 1 Year

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