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▶ Pr... ▶ Video interfacing, processing, monitori... ▶ Splitters, combine... ▶ LEN VIDEO SPLITTERS - SD, ... ▶ LEN L4KS01 VIDEO SPLITTER Passive, 1x2.

UK Sales: 0191 418 1122

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### LEN L4KS01 VIDEO SPLITTER Passive, 1x2, 3x BNC, 4K/12G UHD SDI



#### Stock code

90-6164

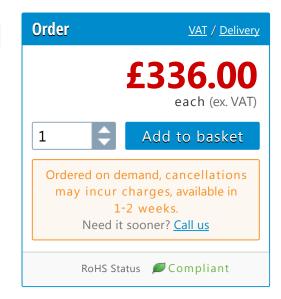
Brand LEN

Model number

Resources

L4KS01





## Datasheet - LEN L4KS01

LEN VIDEO SPLITTERS - SD, HD, 3G, 4K/12G SDI

Miniature, passive designs, requiring no power, LEN SDI splitters are a direct equivalent to the use of a Distribution Amplifier to create additional SDI signals, for most applications. LEN Splitters are also often used for such applications as additional monitor feeds say in remote camera locations, and in situations where size and weight are critical factors, such as racing cars, bikes and other sporting and research applications. Offering a broadcast-quality signal, they are useful in both permanent and temporary installations. They may be used freestanding and have fixing screws for mounting through panels. An accessory panel is also available to mount eight splitters in 1U of rack space.

Three models are available: The L4KS01 is for use with full 12G/4K UHD SDI video and all lower standards including 6G, 3G, HD and SD SDI. The L3GS01 may be used with 3G, HD or SD SDI signals while the LHDS01 may be used with HD or SD SDI. Each is built in an ABS enclosure fitted with three female BNC connectors. All LEN Video Splitters can also be used with the ASI format.

Two or more splitters can be used in series to provide up to eight individual feeds over shorter distances. Actual distance dependant on original signal strength and cable quality.

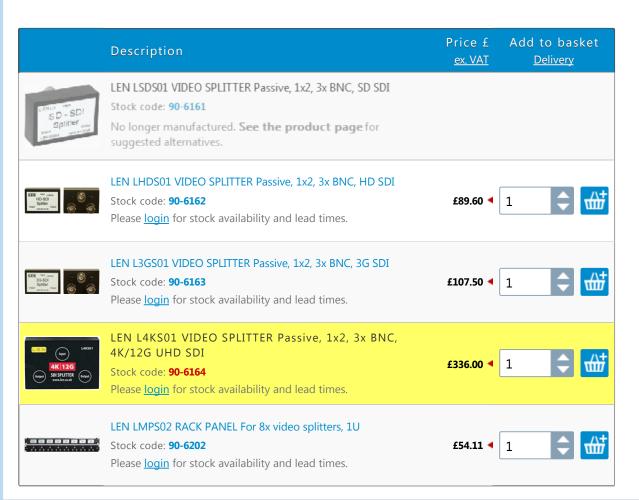
|                                    | LHDS01              | L3GS01              | L4KS01               |
|------------------------------------|---------------------|---------------------|----------------------|
| Input and output impedance:        | 75 ohms             | 75 ohms             | 75 ohms              |
| Return loss: (1)                   | 15dB, 5 to 1485 MHz | 15dB, 5 to 3000 MHz | 10dB, 5 to 12000 MHz |
| Amplitude roll-off, 360 MHz (2):   | -0.2dB              | -0.2dB              | -0.2dB               |
| Amplitude roll off, 1485 MHz (2):  | -0.5dB              | -0.5dB              | -0.5dB               |
| Amplitude roll off, 3000 MHz (2):  | N/A                 | -4.0dB              | -2.0dB               |
| Amplitude roll off, 12000 MHz (2): | N/A                 | N/A                 | -4.0dB               |
| Insertion loss:                    | 3.4dB               | 3.4dB               | 3.8dB                |
| Isolation, 270 MHz, (3):           | 35dB                | 35dB                | 5dB                  |
| Isolation, 1485 MHz, (3):          | 16dB                | 16dB                | 10dB                 |
| Isolation, 3000 MHz, (3):          | N/A                 | 10dB                | 15dB                 |
| Isolation, 12000 MHz, (3):         | N/A                 | N/A                 | 20dB                 |
| Drive capability, typical (4):     | 90 metres           | 70 metres           | 65 metres            |

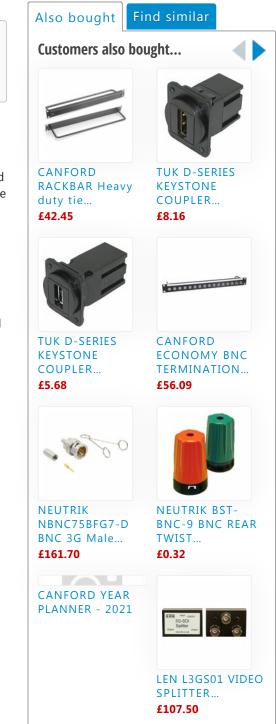
Note 1: Worst case, both outputs terminated. 2: Maximum attenuation. 3: Between output ports. 4: Depends on cable type; 20% reduction compared to a free cable run. Dimensions: 45 x 30 x 15 (length x width x height) mm, excluding connectors. Weight: 30g.

### **Technical Note**

To achieve the specified performance the input should be fed with a source impedance of 75 ohms and both outputs must be terminated with 75 ohms. Therefore, if an output cable is not present, a 75 ohm termination should be fitted. This should be specified to operate over the full SDI bandwidth in use.

Optional accessories: The LMPS02 rack frame is a 1U 19-inch panel, finished in black, punched to take eight splitters mounted from the rear by means of the mounting screws, the BNC connectors facing out of the rack. If it is desired to have the connectors facing into the rack, the splitters may be reversed, revealing the splitter modules which will protrude 15mm from the surface of the panel.









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