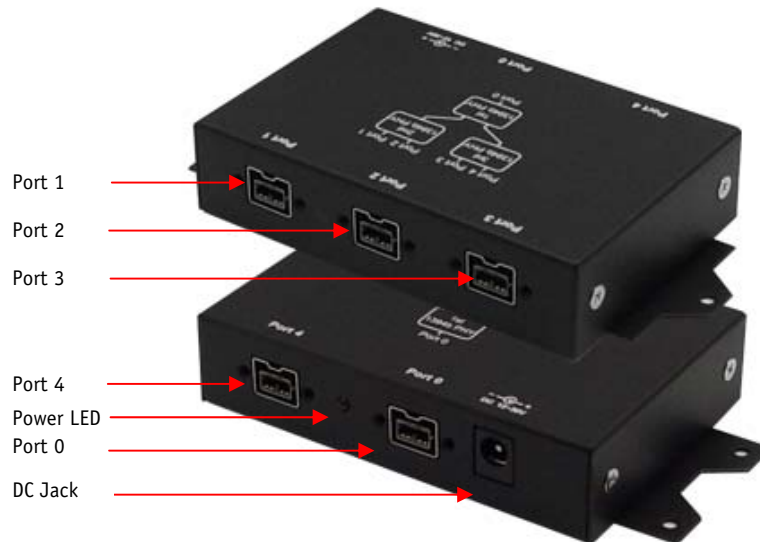




1394R-B5



Your industrial IEEE 1394b 5-port hub

IOI's industrial 1394b hub is equipped with five 1394 bilingual connectors with screw-lock holes. It offers users the ability to combine up to four 1394b electrical signals into one data stream in a robust industrial housing. This solution enables multi camera applications with e.g. Allied Vision Stingray, Pike or Guppy Pro cameras. Marlin, Dolphin, Guppy and Oscar cameras can also be connected via legacy cables.

Highlights

- 5x port 1394b with screw-lock holes
- Fully supports provisions of IEEE P1394b revision 1.33+ at 1-Gigabit Signalling Rates
- Fully supports provisions of IEEE 1394a.2000 and 1394.1995 standard for high-performance serial bus
- Fully interoperable with Firewire, i.LINK and SB1394. Implementation of IEEE Std 1394
- 1394 Bus transfer rates:
100/ 200/ 400/ 800 Mbit/s
- Power input range: DC 8 V ~ 30 V, max. 3 A
- Power LED

Technical Specifications

Feature	Description
Adapter type	5-port 1394 bilingual inline repeater
1394 chipset	TI TSB81BA3D (phy)
Ports	5x 1394 bilingual ¹ , screw lock holes ² , bus power (maximum 1350 mA)
Speed	100, 200, 400, 800 Mbit/s transfer rate
Bandwidth	100/80/64 MByte/s at 800 Mbps (gross/net/video)
Compliance	FCC, CE, RoHS Directive (2002/95/EC)
Power	8 V – 30 VDC, bus powered, maximum 3 A input current DC Power input connector: Walkman-type 2.0 mm DC Jack
Operating temp.	+0 °C to 60 °C
Dimensions (LxHxW)	92 x 20.6 x 62 mm
Options:	IEEE 1394b copper cables various lengths, with or without screw locking capability, sold separately

Applications:

- Cable extension
- Four more full featured IEEE 1394b ports
- Provide power to the IEEE 1394 bus
- Provide a metal bracket for mounting the IEEE1394R-B5

Compatible with Allied Vision Cameras:

- Stingray F-Family, Pike, Guppy Pro
- Via legacy cable: Marlin , Oscar, Guppy

Cable options:

The hub was successfully tested with the following Allied Vision cable types:

- Allied Vision IEEE 1394b standard cables up to 10m without ferrite and with screw locks
- Allied Vision IEEE 1394b standard cables up to 10m with ferrite and with screw locks
- Allied Vision IEEE 1394a/b legacy cables with screw locks

Ordering information:

Short	Long Description	Order Number
5-port 1394b hub	Industrial IEEE 1394b hub with 5 connectors, DC in, screw lock, with power supply (24 V, 2.7 A); Manufacturer Code: IOI 1394R-B5	K0000388

Content of delivery:

- 1394R-B5 Hub
- AC to DC Power supply 24V / 2.7A with EU-cord

Notes:

Different locking cables are available upon request.

¹ Bilingual ports can either operate in IEEE 1394b or IEEE 1394a, depending on the device (cable) attached.

² Screw locking: Do not apply excessive force in order not to damage port or threads. There remains a gap between the connector and the plug.