1394 **1394R-B2**

Your industrial 1394b inline repeater.

IOI's industrial 1394b inline repeater is equipped with two 1394 bilingual connectors with screw locking and offers users the ability to extend the cable length of e.g. the AVT's Stingray or Pike cameras. Up to two repeaters can be used in series. Three cable segments can be bridged this way.

Highlights

- Up to 64 MByte/s bus video bandwidth
- Compliant with IEEE 1394b (2002)
- Backward compatible with IEEE 1394a (2000)
- Easy plug & play, no driver required
- Compatible with all AVT 1394b cameras
- Compatible with all AVT 1394a cameras by the use of legacy cables
- Compatible with all AVT Software Packages[1]
- No power needed, uses cable power
- Screw locking for 1394b ports

[1] For details refer to the corresponding releases

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Technical Specifications

Feature	Description
Adapter type	2-port 1394 bilingual inline repeater
1394 chipset	TI TSB81BA3D (phy)
Ports	2x 1394 bilingual[2], screw locking[3], bus power (max. 1350 mA)
Speed	100, 200, 400, 800 Mbps transfer rate
Bandwidth	100/80/64 MByte/s at 800 Mbps (gross/net/video)
Arbitration	BOSS
OS support	Windows NT4.0, 2000 (FP only); XP, 2003[4], Linux 2.4.x/2.6.x[5]
Compliance	**FCC, CE,** RoHS Directive (2002/95/EC), WEEE Directive (2002/96/EC)
Power	8 V – 32 V DC, bus powered, max. 1350 mA, no external power in
Operating temp.	+5°C... 50°C
Dimensions	73.5 mm (L) x 20 mm (H) x 31.5 mm (W)
Mass	75 g
Options: cables	copper cables various lengths, with or without screw locking at both sides, sold separately

Ordering information:

Repeater inline 1394b	industrial, with 2 connectors, no DC in, screw locking; IOI 1394R-B2	K0000343

Cable options:

Cable 0.5 m 9-pin - 9-pin, industrial	IEEE 1394b; 2x screw lock, 0.5 m, black, 2x ferrite	K1200201
Cable 5.0 m 9-pin - 9-pin, industrial	IEEE 1394b; 2x screw lock, 5.0 m, black, 2x ferrite	K1200133
Cable 7.5 m 9-pin - 9 pin, industrial	IEEE 1394b; 2x screw lock, 7.5 m, black, 2x ferrite	K1200134

Notes:
Different locking cables are available upon request.

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

[3] 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.

[4] DFP may require exchange of MS-driver, depending on service pack.

[5] On request: Contact your local support.

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