



1394R-A2



Your industrial IEEE 1394a inline repeater

IOI's industrial 1394a inline repeater is equipped with two 1394a clamp locking connectors and offers users the ability to extend the cable length of e.g. Allied Vision's Marlin camera. Up to three repeaters can be used in series. Four cable segments can be bridged this way.

Highlights

- Up to 32 MByte/s bus video bandwidth
- Compliant with IEEE 1394a (2000)
- Easy plug & play, no driver required
- Compatible with all Allied Vision IEEE 1394a cameras
- Compatible with all Allied Vision Software Packages¹
- No power needed, uses cable power
- Clamp locking for both ports possible

¹ For details refer to the corresponding releases

Technical Specifications

Feature	Description
Adapter type	2-port 1394a repeater
1394 chipset	TI TSB41AB2 (phy)
Ports	2x 1394a, clamp locking, bus power (maximum 1350 mA)
Speed	100, 200, 400 Mbps transfer rate
Bandwidth	50/40/32 MByte/s at 400 Mbps (gross/net/video)
OS support	Windows NT4.0, 2000, XP, 2003, Linux 2.4.x/2.6.x
Compliance	FCC, CE, RoHS Directive (2002/95/EC), WEEE Directive (2002/96/EC)
Power	8 V to 32 VDC, bus powered, max. 1350 mA, no external power in
Operating temperature	+5 °C to 50 °C
Dimensions (LxHxW)	73.5 x 20 x 31.5 mm
Mass	75 g
Options: cables	Copper cables various lengths, with or without clamp locking at both sides, sold separately

Ordering information:

Repeater inline 1394a	industrial, with 2 connectors, no DC in, clamp locking; IOI 1394R-A2	K0000369
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Cable options:

cable -2x Interlock	IEEE1394a; (2x Interlock)	4.5 m, for Marlin / Oscar / Guppy	K1200064
cable -2x Interlock	IEEE1394a; (2x Interlock)	10 m, for Marlin / Oscar / Guppy	K1200163
cable -2x Interlock	IEEE1394a; (2x Interlock)	12.5 m, for Marlin / Oscar / Guppy	K1200165
cable -2x Interlock	IEEE1394a; (2x Interlock)	17.5 m, for Marlin / Oscar / Guppy	K1200162
cable -1x Interlock	IEEE1394a; (1x Interlock)	3.0 m, for Marlin / Oscar / Guppy	K1200167
cable -1x Interlock	IEEE1394a; (1x Interlock)	4.5 m, for Marlin / Oscar / Guppy	K1200091
cable -1x Interlock	IEEE1394a; (1x Interlock)	6.0 m, for Marlin / Oscar / Guppy	K1200160
cable -1x Interlock	IEEE1394a; (1x Interlock)	7.5 m, for Marlin / Oscar / Guppy	K1200212
cable -1x Interlock	IEEE1394a; (1x Interlock)	10 m, for Marlin / Oscar / Guppy	K1200159

Notes:

Different locking cables are available upon request.