

1394

**Allied Vision IEEE 1394b Hub****Your industrial 4 port IEEE 1394b Hub**

Allied Vision's external 4 port IEEE 1394b hub offers users the ability to combine up to three IEEE 1394b electrical signals into one data stream in a robust industrial housing. This solution enables multi camera applications with e.g. Allied Vision Stingray or Pike cameras. Marlin, Dolphin, Guppy and Oscar cameras can also be connected by the use of legacy cables. The device can be ordered either with a top-hat rail (DIN rail) snap mounting or a mounting plate. This makes the hub an ideal solution for industrial applications.

**Highlights**

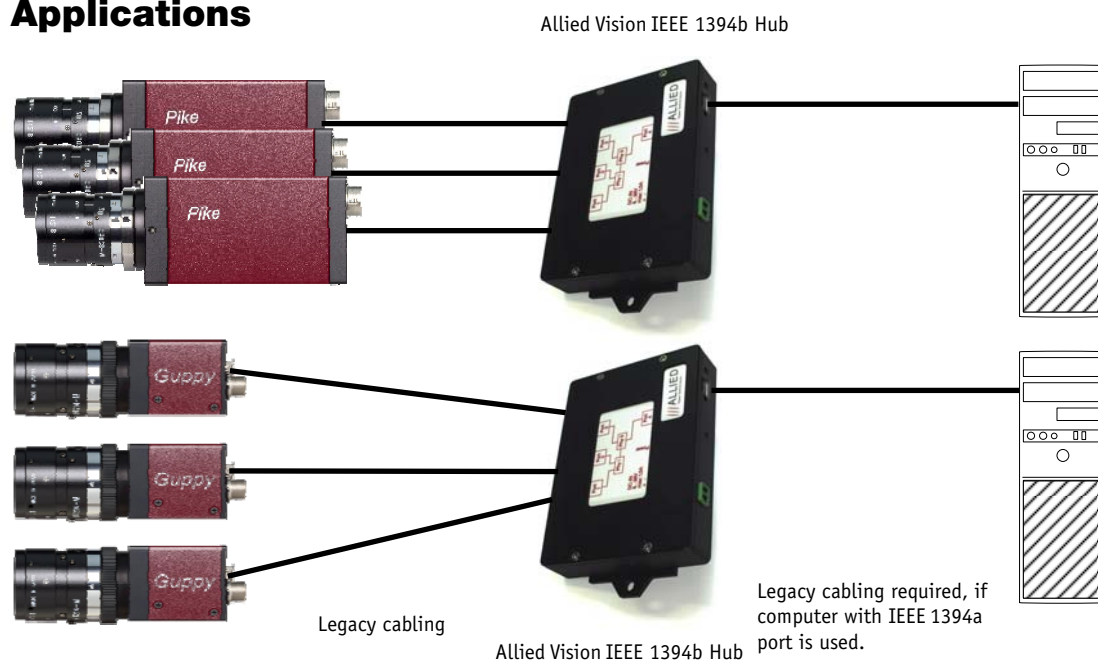
- Up to 64 MByte/s bus video bandwidth
- B signalling eliminates common ground
- Compliant with IEEE 1394b (2002)
- Backward compatible with IEEE 1394a (2000)
- Easy plug & play, no driver required
- LED indicates power
- Compatible with all Allied Vision IEEE 1394b cameras
- Compatible with all Allied Vision IEEE 1394a cameras by the use of legacy cables
- Compatible with all Allied Vision Software Packages<sup>1</sup>
- Locking power-in connector

<sup>1</sup> For details refer to the corresponding releases

## Technical Specifications

Feature	Description
Device type	4-port IEEE 1394b Hub (copper)
1394 chipset	TI: 2 x TSB81BA3
Electrical ports	4 x IEEE 1394b, supplying bus power (1500 mA, lead fuse), with 3 mm screw threads
Power consumption	≈ 1.5 W + 0.5 W per port
Speed	100, 200, 400, 800 Mbps transfer rate
Bandwidth	100/80/64 MByte/s at 800 Mbps (gross/net/video)
OS support	Windows NT4.0, 2000, XP, 2003, Linux 2.4.x/2.6.x
Compliance	<b>FCC, CE, RoHS</b>
External power	8 to 36 VDC, supplying bus power up to 45 W; lead fuse 3 A DC connector: Phoenix Minicon 1.5/2-ST-3.5
Dimensions W x L x H	102 x 74 x 19 mm, without mounting
Mass	170 g without mounting
Operating temperature	+5°C to 50°C
Mounting options	Mounting plate or top-hat rail (DIN rail) snap mounting
Options (cables)	Various lengths, sold separately

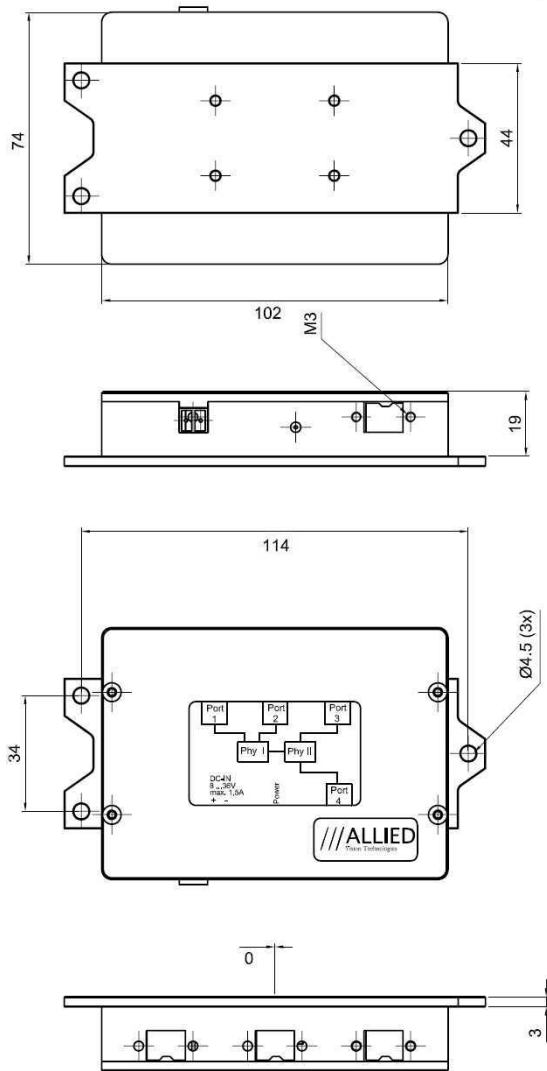
## Applications



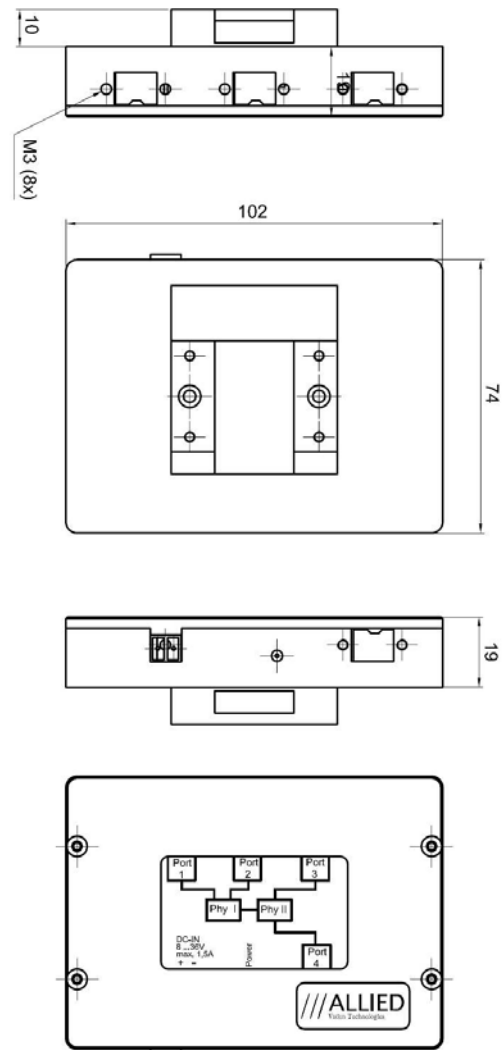
Only the upper configuration is able to transfer 64 MByte/s. The total video bandwidth of the latter configuration is limited to 32 MByte/s due to the fact that the bus switches to IEEE 1394a mode and speed.

**Drawing**

Allied Vision IEEE 1394b Hub with mounting plate



Allied Vision IEEE 1394b Hub with snap-on mounting rail



Ordering information:

Allied Vision IEEE 1394b Hub	Hub, 4 x 1394b copper, 3A, mounting plate	E3000079
Allied Vision IEEE 1394b Hub	Hub, 4 x 1394b copper, 3A, snap-on mounting rail	E3000083

Cable options:

Cable 5.0 m 9-pin to 9-pin industrial	IEEE 1394b; (2x screw lock), with ferrite, 5.0 m	K1200133
Cable 7.5 m 9-pin to 9-pin industrial	IEEE 1394b; (2x screw lock), with ferrite, 7.5 m	K1200134
Cable 4.5 m 9-pin to 6-pin industrial	IEEE 1394b/a; 9-pin (screw lock) / 6-pin (latch), 4.5 m	E1000848

Power supply 12 VDC, 30 W	Wall power supply 2.5 A, Phoenix connector 3.5mm for Allied Vision Hub	E3100016
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