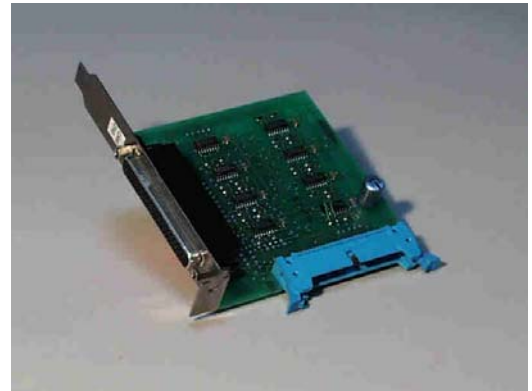


Mikrotron Frame Grabber Accessories

Digital Camera Interface and Multiplexer

B422A - 24-Bit - RS422/644 - Digital - Camera Interface up to 50 MHz

The B422A – 24-Bit RS422/644 digital camera interface has all the low-voltage differential line receivers for three b/w or one RGB colour camera. A flat-cable connects the B422A with the INSPECTA-3 frame grabber. A 62-pin HD-SUB-D-connector provides differential inputs for 8, 10 to 16, or 24 bit cameras. Signal levels are RS-644 compatible. Therefore both standard RS-422-cameras and high speed cameras with up to 50 MHz can be used. Four camera control outputs are used for specific camera features as asynchronous shutter or long time integration. The 62-pin HD-D-SUB-D-connector case has the same size as the conventional 37pin connector. RGB-cameras with 24-bit can now be connected with a single connector.

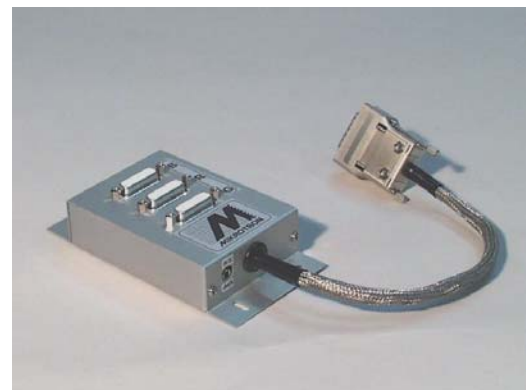


B454 - 32 Bit - RS - 422/644 - Digital - Camera Interface up to 40 MHz

The Adapter has as well the B422A digital-camera interface a 62-pin HD-SUB-D-camera connector. Four additional 37 pin SUB-D-connectors on four PC-brackets are used for 8 bit digital cameras.

B408 – Break - Out Box for INSPECTA-3 Frame Grabber

The INSPECTA has inputs for six analog cameras via two 15 pin SUB-D connectors. Often the connection of multiple cameras with one single connector is not practicable. The Break-out box B408 extends three video channels to three single 15 pin SUB-D connectors, so that each camera has its own connector. To connect more than three cameras, use two B408. The max. power consumption of the connected cameras app. 1.2A.



Technical data :

- L x W x H = 100 x 70 x 20 mm
- Length of cable app. 300 mm
- Connectors: 3 x 15-pin. SUB-D

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Mikrotron Frame Grabber Accessories

Repeater and Multiplexer

B562 Camera Link® Repeater : Amplifier for Camera Link® connections:

- Amplifier for additional 10m of Camera Link® cable
- 28-Bit data format according to the Base specification
- Pixel clock up to 66 MHz
- Standard MDR-26 connectors
- Power supply: 8-13V DC; 2,7W. (Power supply included)
- Dimensions: (H) 29mm; (W) 110mm; (L) 53mm



According to the Camera Link® specification the length of the cable is limited to 10m. If this is not sufficient, the B562 Camera Link® repeater allows to double this length.

B563 Camera Link® Multiplexer Up to three cameras on one base-connector:

- Up to three Camera Link® cameras on one Base connector.
- Signal amplification for additional 10m cable length.
- 28-Bit data format according to the Base specification.
- Pixel clock up to 66 MHz.
- Standard MDR-26 connectors.
- Power supply: 8-13V DC; 2,7W. (Power supply included.)
- Dimension: (H) 35mm; (W) 74mm; (L) 220mm



The B563-Camera Link® Multiplexer allows to select up to 3 cameras with a Camera Link® base output to be connected to a Camera Link® input of a frame grabber. A simple two character ASCII string send via the Camera Link® serial data line selects one of three inputs indicated by a LED. The switch is immediate for all Camera Link® signals. If the connected cameras are synchronous to each other, there is no loss of image because of switching if the driving software is aware of the cameras FVAL signal. The B563-Multiplexer acts as signal amplifier for an additional 10m cable segment.

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