

Video-Isolator for CVBS / S-Video

In larger systems like experimental vehicles or aeroplanes there are often ground loops within the wiring harness. Some supply currents with enormous ripple returns unintentionally through video ground lines and coax shields. This causes a ground shift which in turn affects image quality.

The Nickl video isolator VISO de-couples the ground by detaching all three grounds: The input ground, the output ground and the supply ground. Two DC/DC converters supply the input and the output, respectively. The video signal is transferred through two opto-couplers with a bandwidth of up to 15 MHz. When using S-Video signals, both channels are utilized. For CVBS signals, only one channel is used.

It comes with legacy Mini-DIN and BNC connectors.



- isolates CVBS- or S-Video connections with PAL/NTSC/SECAM timing
- IN/OUT/Power- potentials isolated among each other
- easy to install to video cables
- 75 Ohm output impedance, buffered
- video bandwidth about 15 MHz
- DC-restore output, viz output always 0V+sync+image (0..1Vpp)
- CVBS in/out on BNC, S-Video in/out on 4-pin Mini-DIN-receptacle
- high efficiency, power consumption just 1.68W typ.
- 9..36VDC power supply, polarity-save
- supply on 5-pin. high-current D-Sub male
- compact and metallised shielded housing
- outer dimensions: (90 x 60 x 25) mm

Bestell-Nr:	Beschreibung
1EMVISO	Video isolator for transferring CVBS or S-Video signals with galvanical decoupling