

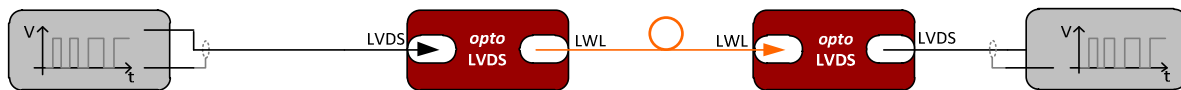
## Field of application and characteristics

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The **optoLVDS** system can be used for the optical transmission of three channels of LVDS signals and one clock signal at a pixel-clock of approx. 8..66 MHz in DC-balanced mode and in Non DC-balanced mode. It consists of a battery supplied transmitter and receiver connected to each other with an optical fiber. With the optical transmission and the shielded case, the system is well equipped for EMI and EME tests.

Version *optoLVDS-10* provides a smaller transmission rate but the same technical properties.

Version *optoLVDS-1/3* can be used in single channel mode with up to 800Mbit/s, too.



## Technical data

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|------------------|--|
| Channels:        | 3 + CLK; additional single channel mode with <i>optoLVDS-1/3</i> |
| Coding:          | DC- balanced; Non DC-balanced                                    |
| I/O connector:   | Tyco   |
| Data rate:       | depending on chipset   |
| Power supply:    | 4 NiMH cells with 4 Ah; approx. 8h; five-poled charge plug       |
| Case dimensions: | 136mm x 86mm x 65mm<br>aluminum case with rubber protectors      |
| Weight:          | approx. 800g   |
| Misc.:           | optional external battery pack / supply available                |

## Optical fiber

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|-------------------|--|
| Connector / Type: | FSMA / duplex-multimode fiber 62,5/125µm |
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