

Application Note

External Synchronisation with 50 Ohm Sources

Version AN External Synchronisation with 50 Ohm Sources

Dr. Bernd Reinke

The Impedance of the Synchronization Input of Optronis CamPerform and CamRecord High Speed cameras is strongly non-linear and forces some 50 Ohm trigger sources to fail.

To synchronize Optronis High-Speed cameras CamPerform and CamRecord with 50 Ohm sources it is suggested to perform as follows:

- Please add a 50 Ohm termination resistor to the Synchronization input of the camera –



50 Ohm Coax cable from Trigger Source

To Optronis Camera Synchronisation Input

50 Ohm termination resistor

Please verify with this configuration, that the Trigger Voltage is

Lower than 0,8 Volt (low level)

Higher than 2 Volt (high level)