



Digital real-time photon correlator VGCX

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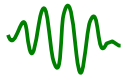
VGCX correlators family

Ciprian's correlators determine the temporal correlation function of an electrical signal made of trains of TTL pulses (for example, from the output of a light detector in photon counting mode). Our correlators are based on a novel algorithm to process the signal. Moreover they embed the latest FPGA technologies.

Typical applications for these correlators are in dynamic light scattering and in fluorescence correlation spectroscopy.

Features :

- Maximises the collection of the information contained in the train of the measured photons
- Outperforms the efficiency of classical models at low light measurements
- shorter acquisition time for a given signal vs noise ratio
- High number of channels: > 512 lag times
- Lag times from 10 ns to hours
- High speed USB2 link



Warranty

3 years Part and Labor

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