

# new single photon detector modules

## QD800-pQ



### features:

**QD800-pQ** series of single photon counting modules offers an unique combination of low dark count rates and very low jitter in a miniature package. The special mechanical design allows a flexible combination with existing systems in the laboratory. Incoming photons generate corresponding electrical pulses which may be conveniently read out at the digital output.

[datasheet](#)

associated product

## TTM8000 time tagging module



### features:

The time tagging module **TTM8000** is an 8 channel time-to-digital converter. It can be used to measure the exact timing of events on up to 8 digital signals for a wide range of logic families by assigning a 64 bit timestamp to each incoming signal. The time resolution depends on the selected measurement mode, free running at 82.3 ps, down to 1 ps. These digital values are sent to a PC over an ethernet connection for both, on-line evaluation and off-line storage to replay all events offline. Analysis of histograms two- and multichannel correlations as well as interfaces to program user-defined operations are possible.

[datasheet](#)

link:

[quantum devices](#)

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