

Quantum Opus

SUPERCONDUCTING NANOWIRE SINGLE-PHOTON DETECTOR

Opus One™ Multi-Channel Near-Infrared Photon Detector System with >80% Detection Efficiency

Key Features:

- Quantum Opus supplies high efficiency and low noise detectors which operate at 2.5 K
- High system detection efficiency at custom wavelengths
- Broadband and other custom response curves available
- 3U rack-mount cryogenic system operates continuously without recharge using a lab-friendly low-noise water-cooled compressor
- Ask about mid-infrared photon counting



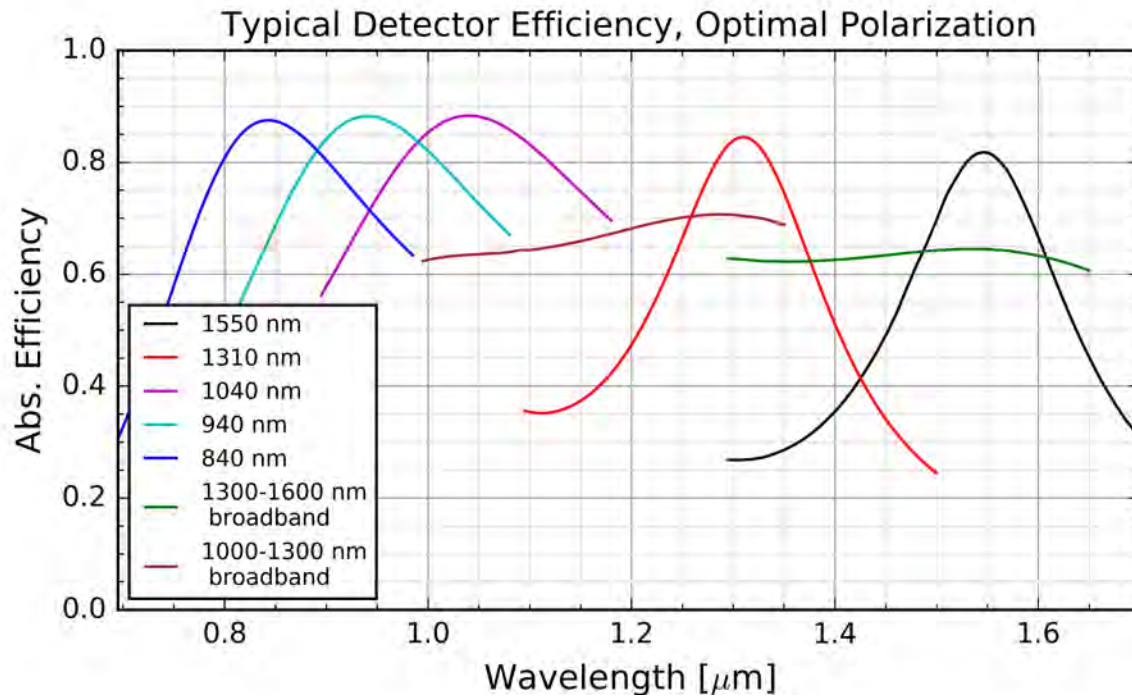
	<u>850 nm</u>	<u>950 nm</u>	<u>1310 nm</u>	<u>1550 nm</u>
System Detection Efficiency	≥90%	≥90%	≥80%	≥80%
Dark Rate	<1Hz	1Hz	10 Hz	100 Hz
Jitter	<80 ps	<80 ps	<100 ps	<100 ps
Nominal Pulse Height	600 mV	600 mV	300 mV	300 mV
Recovery Time	50 ns	50 ns	50 ns	50 ns

Equipped with 1-16 channels of mixed detector types. Factory expandable.
Performance parameters and wavelength can be optimized on request.



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CUSTOMER PHOTOS



Compressor unit fits under optical table.



Cryostat and electronics easily rack mountable.

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