

High-performance solutions optimized for industrial QKD

- ▶ **High efficiency & low noise** single photon detection, enabling long-distance QKD
- ▶ **Low timing jitter** and **no after-pulsing**, maintaining low QBER over distance
- ▶ **High count rate** for high secret key rate
- ▶ Compact **rack-mountable system**, up to 12 channels
- ▶ **Automated cooldown** and **24/7 continuous operation**
- ▶ Up to **24 channels**
- ▶ **Plug and play!**



Tele-QKD line

Single photon detectors for industrial QKD systems

- ▶ Optimal price-performance ratio
- ▶ Optimal combination for QKD main applications
- ▶ Reduced delivery time
- ▶ Plug and play!

Key Specifications	TeleQKD Speed	TeleQKD PM
Wavelength	1550 nm	1550 nm
Max. count rate	20 MHz	5 MHz
Optional ultra-high count rate	500 MCPS	200 MCPS
Efficiency	> 70%	> 80%
Dark count rate	< 10 Hz	< 10 Hz
Timing jitter	< 50 ps	< 50 ps
Optional low timing jitter	< 25 ps	< 25 ps

If you are interested in different specifications, please visit [singlequantum.com/solutions/excellence](https://www.singlequantum.com/solutions/excellence)