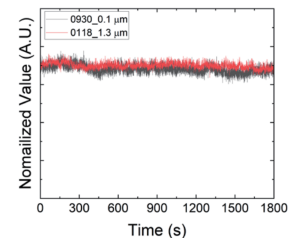
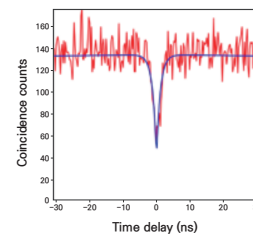
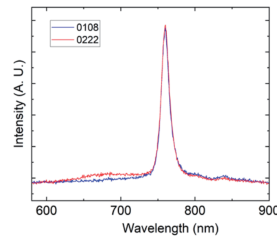
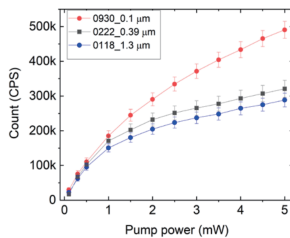
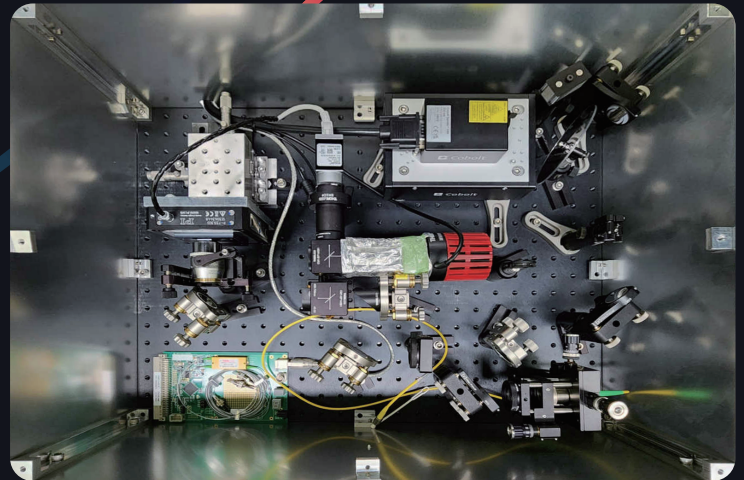
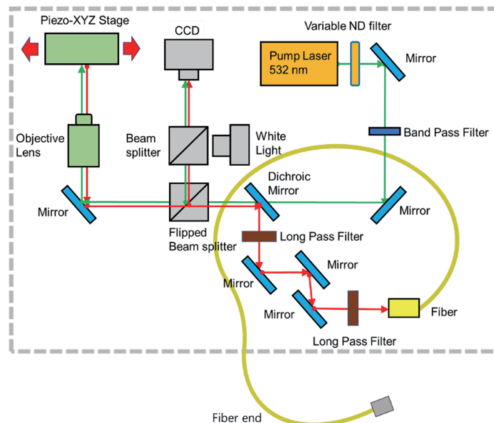


Single Photon Source at Room Temperature

QRAD is providing a single photon source as a compact plug-and-play device operating at room temperature.



Key Features

- Single emitter in a GaN crystal
- Wavelength 700 nm ~ 800 nm
- Spectral linewidth < 5 nm in RT
- $g(2)(0) < 0.5$
- Single-mode fiber output with >500 kcps
- photon flux stability < 5 % for 30 min.

References

- Hong et al., IEEE Transactions on Instrumentation and Measurement 72, 1502607 (2023)
- Lim et al., Optical Materials Express 9, 4644 (2019)

Single photon source at a fiber-network wavelength (1300 nm ~ 1550 nm) is under development in collaboration with KRISS.

QRAD Inc., Contact: Dr. Lee, Dong-Hoon (CEO)

Bd 309 Room 110, Korea Research Institute of Standards and Science,
Gajeong-ro 267, Yuseong-Gu, Daejeon, KOREA EMAIL: dh.lee@qrad-inc.com

