

QWSSI / DSSI / Speckle

<

~~~ PHOTOS HERE ~~~

**Visitor Instrument – Availability Depending on Status, User Demand, and Port Availability**

**Mounting Port:** Instrument Cube – Port A (large)

**Manual:** See the [DSSI Page](#) at Gemini-N for information

**Additional Information:** [QWSSI SPIE paper \(2020.SPIE.11446.2AC.QWSSI.pdf\)](#)

**Instrument Scientist:** Gerard van Belle (gerard at lowell dot edu)

---

The Quad-camera, Wave-front-sensing, Six-wavelength-channel Speckle Interferometer (QWSSI) went through on-sky commissioning and initial science runs on the LDT during 2020B. Information about instrument capabilities and performance will be forthcoming shortly. QWSSI is expected to be the default speckle camera.

---

**Instrument Quick Facts:**

**Current Status:**

All visible channels (577, 658, 808, 880nm; 40nm bandwidth) are operational. Near-IR channels (1200, 1500nm; 50nm bandwidth) still under development. Wavefront sensor (all visible light excepting the speckle channels) is operational, but data reduction pipeline does not yet currently fold this data into the data reduction.