

# VATT Instrumentation and Computers

Current instruments and computing equipment available at the Vatican Advanced Technology Telescope are:

## VATT CCD Imager - Vatt4k

- [VATT4k](#)

## Galway Ultra Fast Imager - GUFI

- This is an Andor Marana 4.2B-11 back-illuminated scientific CMOS camera.
- spec sheet
- Array size: 2048 (W) x 2048 (H) 4.2 Megapixel
- Pixel size: 11  $\mu\text{m}$  x 11  $\mu\text{m}$
- Array Area: 22.5 mm x 22.5 mm (31.9 mm diagonal)
- Field of view on VATT: 4.7 arcmin x 4.7 arcmin
- On loan from University of Galway.
- Consult Richard Boyle for technical details.

## VATT CCD Spectrograph - VATTSpec

- [VATT Spectrograph](#)

## Instrument Interface (a.k.a. the Guider Box)

- provides interface to derotator for all the above instruments, as well as offset and slit-viewing guiding with guide cameras
- effective back focal distance, from guide box to focal surface, is 2.000".
- contains two filter wheels, each holding four 3.48" square filters. Adapters to accommodate 2" and 3" square filters are available.
- UBVRI, uvby, Vilnius, Sloan, ECAS, and Order Blocking [filters](#) are currently provided.
- integrating sphere with continuum and calibration lamps.

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