

EMPIRICAL EYE SMART MODULE - SPECIFICATION SHEET



The Empirical Eye is a smart module that attaches to your machines, giving you first-person remote control and monitoring capabilities. It is a lightweight device containing electronic components and internet connectivity, with accompanying software for setup, as well as optional cloud services.

Performance and Feature Characteristics:

- **Size:** 120mm x 110mm x 65mm; Antenna height of 78mm
- **Weight:** 368g
- **Material:** Aircraft-grade aluminum, ABS and PLA polymers
- **Power:** Through 5V USB or battery
- **Physical Mounting:** Mounting clips and slim profile industrial grade harness provided
- **Sensors:** Stereo cameras, inertial measurement unit
- **Compute Module:** Broadcom BCM2835 application processor*
- **Connectivity:** Dual-band wireless local-area networks at 2.4GHz and 5GHz, Bluetooth 4.2, Bluetooth Low Energy
- **Wire Interface:** Dual USB and dual custom coaxial cables for machine integration (provided)
- **Current Machines Supported:** Universal Robots (UR3/5/10), FANUC robots (most models**), ABB robots (most models**), 3D printers (Formlabs, Ultimaker, Lulzbot), CNC machines and Mills/Lathes (monitoring only)
- **Software:** Desktop remote monitoring and control program (Windows, Mac); mobile application (Android/iOS)
- **Extras:** User tutorials provided, cloud software interface available for web browser usage
- **Warranty and Returns:** Up to 3 free replacements for provably faulty units per customer
- **Customer Support:** 24/7 customer support for setup, integration, troubleshooting, software, etc

For any questions, please contact us at info@empiricalautomation.com

* Specifications subject to change on future models.

** Please contact us to confirm remote control features on specific robot models.