

FMT-500 EL Imaging Add On

The FMT-500 EL Imaging Add-On transforms your existing FMT-500 system into a comprehensive module characterization station—delivering IV, SunsVoc, and electroluminescence (EL) imaging in a single, streamlined sequence. No separate chambers, extra connections, or standalone imaging systems required.

Key Benefits

- **Full-Area Module Imaging:** Capture high-resolution EL images across the entire module surface.
- **High-Quality Imaging at Low Cost:** Achieve detailed defect visualization without the expense of a dedicated EL station. This add-on leverages your existing FMT-500 infrastructure for efficient, cost-effective imaging.
- **Seamless Mechanical Integration:** The EL camera mounts directly to the side of the FMT-500 flash head, minimizing setup time and reducing the need for image perspective correction.

Why EL Imaging Matters

- **Detect Hidden Defects:** EL imaging reveals microcracks, broken fingers, shunts, and other performance-impacting defects that are invisible to IV or SunsVoc measurements alone.
- **Pre-Deployment Assurance:** Modules must meet performance and reliability standards before field deployment. EL imaging adds a critical layer of visual validation.
- **Post-Stress Characterization:** Quickly assess modules after thermal cycling, mechanical stress, or damp heat testing by combining electrical performance data with visual defect mapping in one pass.

