

A cutting-edge Digital Micromirror Device (DMD)-based patterned illuminator, designed for precision and versatility in optical applications. Engineered for high-resolution spatial light modulation, it delivers unparalleled control over illumination patterns, enabling dynamic, real-time adjustments for advanced imaging, widefield microscopy, and optogenetics experiments.



Diamond shown on Cairn OpenFrame Microscope

Application Usage:

- Photoactivation
- Optogenetics
- Uncaging

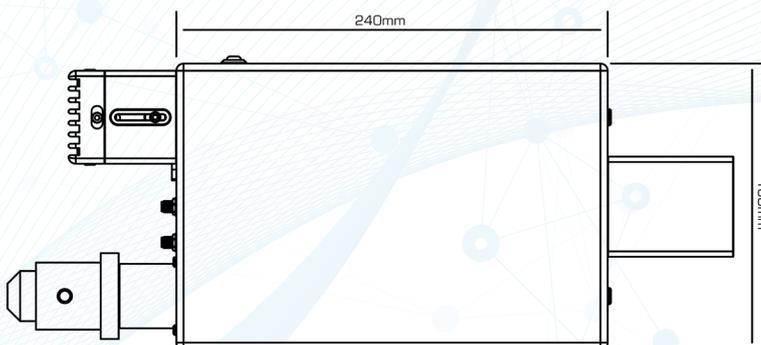
Features and Benefits:

- 22mm FOV as standard
- Achieve precise light distribution
- External hardware triggering
- Optimised for a broad range of wavelengths
- Fits any upright or inverted microscopes
- 22,727 Hz global array switches per second
- Transmission range 400 -700nm
- Full software control in Micromanager

Optional Upgrades:

- Dual sided illumination
- Multiple wavelengths
- Laser or LED illumination
- UV on request

Product dimensions - Upright Configuration



Total depth 120mm



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