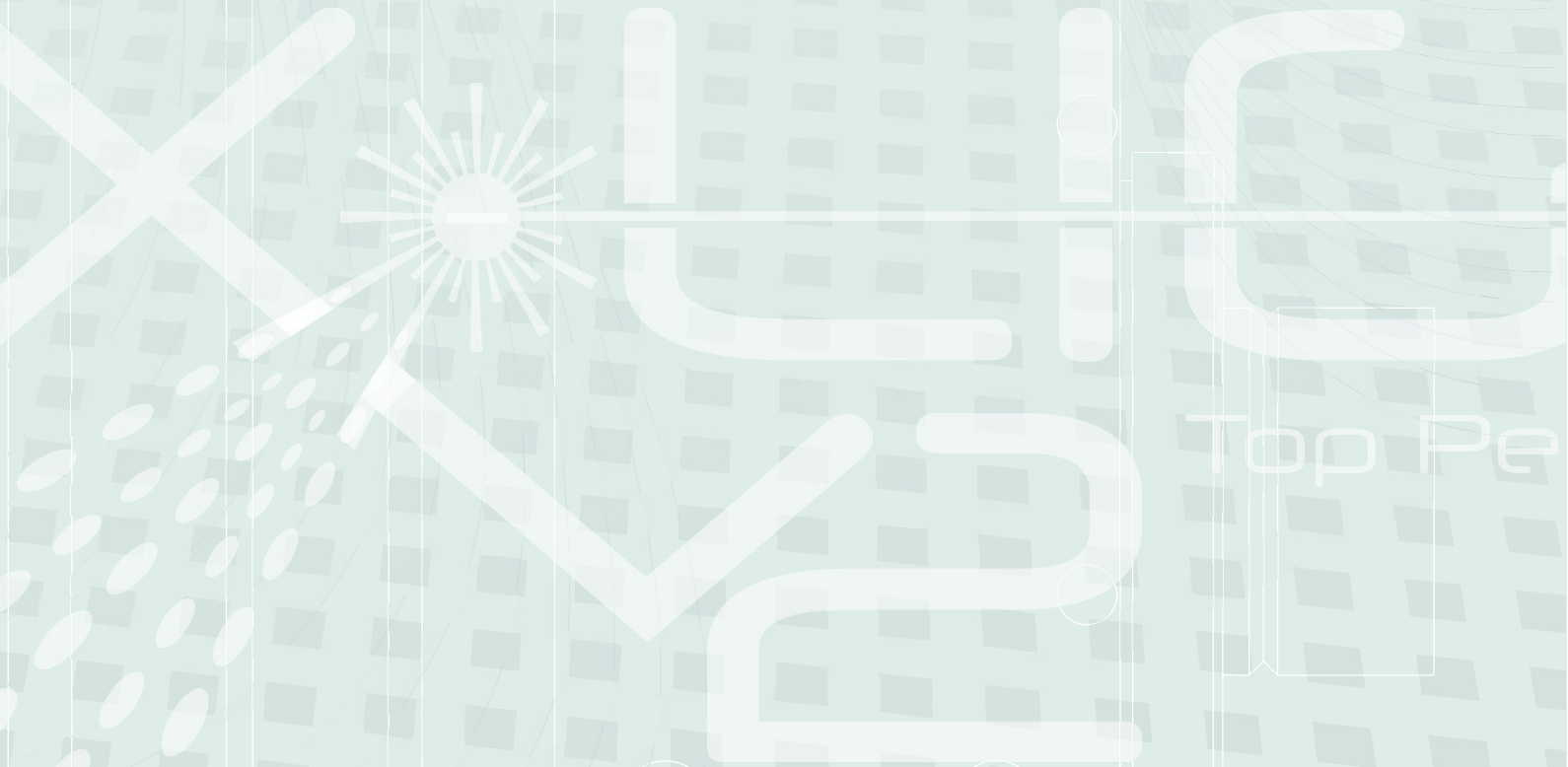


# X LIGHT

Top Performance



CREST OPTICS



The Spinning Disk Solution

# X-LIGHT

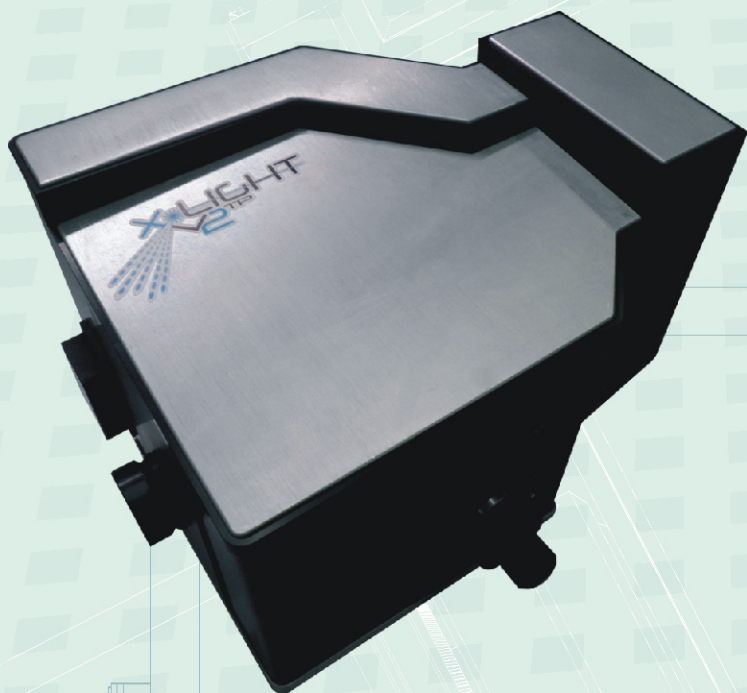
## V2

Top Performance

## Description

The X-Light V2<sup>Top Performance</sup> Confocal Imager offers:

- Full compatibility with all inverted and upright Microscopes
- Plug-in Spinning Disk Box (possibility to change pinhole pattern in few seconds)
- Use of Custom Relay Lenses for large Field of view aberrations mitigation
- Full compatibility with Crest VCS (Video Confocal Super-resolution) module for 3D resolution enhancement



## Technical Specifications

- Double Pinhole Pattern Spinning Disk, on same physical disk
- Single Pinhole Pattern Spinning Disk for large Field of View
- Acquisition Modes:
  - WideField (with fast disk out motorized function),
  - Confocal (single or double pattern)
- CCD/sCMOS Field of View:
  - 12mm x 12mm FOV in double pattern configuration (each pattern)
  - Up to 22mm FOV in single pattern configuration
- Pattern Configuration:
  - CrestOptics Proprietary Disk Pattern Design for high confocal resolution, improved Out of Focus rejection and higher S/N
  - Confocal resolution <using a 100X plan Apo lambda NA 1.45> :
    - X-Y resolution 260-250nm
    - Z resolution : ~650nm
  - 40 micron pinholes
  - 70 micron pinholes
  - Custom pinholes diameters are available on request
- 30mm diameter Custom Relay lenses
- Fast spinning disk 15.000 RPM disk rotation speed
- Excitation Gimbal mount for easy alignment on custom microscope setup and for best S/N
- Motorized Dichroic Five positions Filter Wheel
- Standard Eight positions Motorized Emission Wheel
- Plug-in spinning disk
- Extraction tools for easy insertion and removal of both dichroic filter and emission filter
- CCD focal plane easy focusing without moving the CCD Camera
- Adapter for Multimode Laser or LED SMA-905 fiber excitation