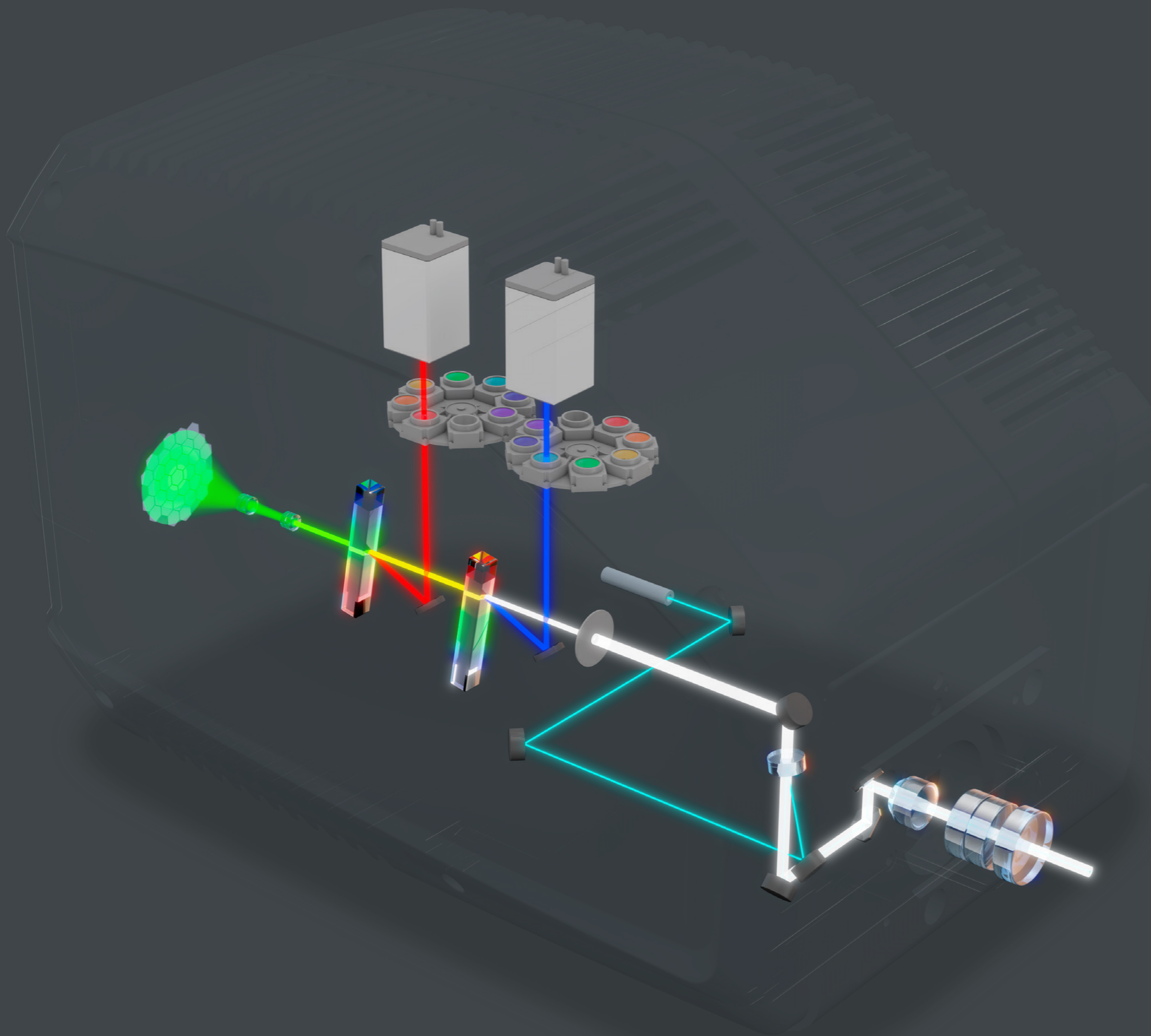


Beam Path of ZEISS LSM 900

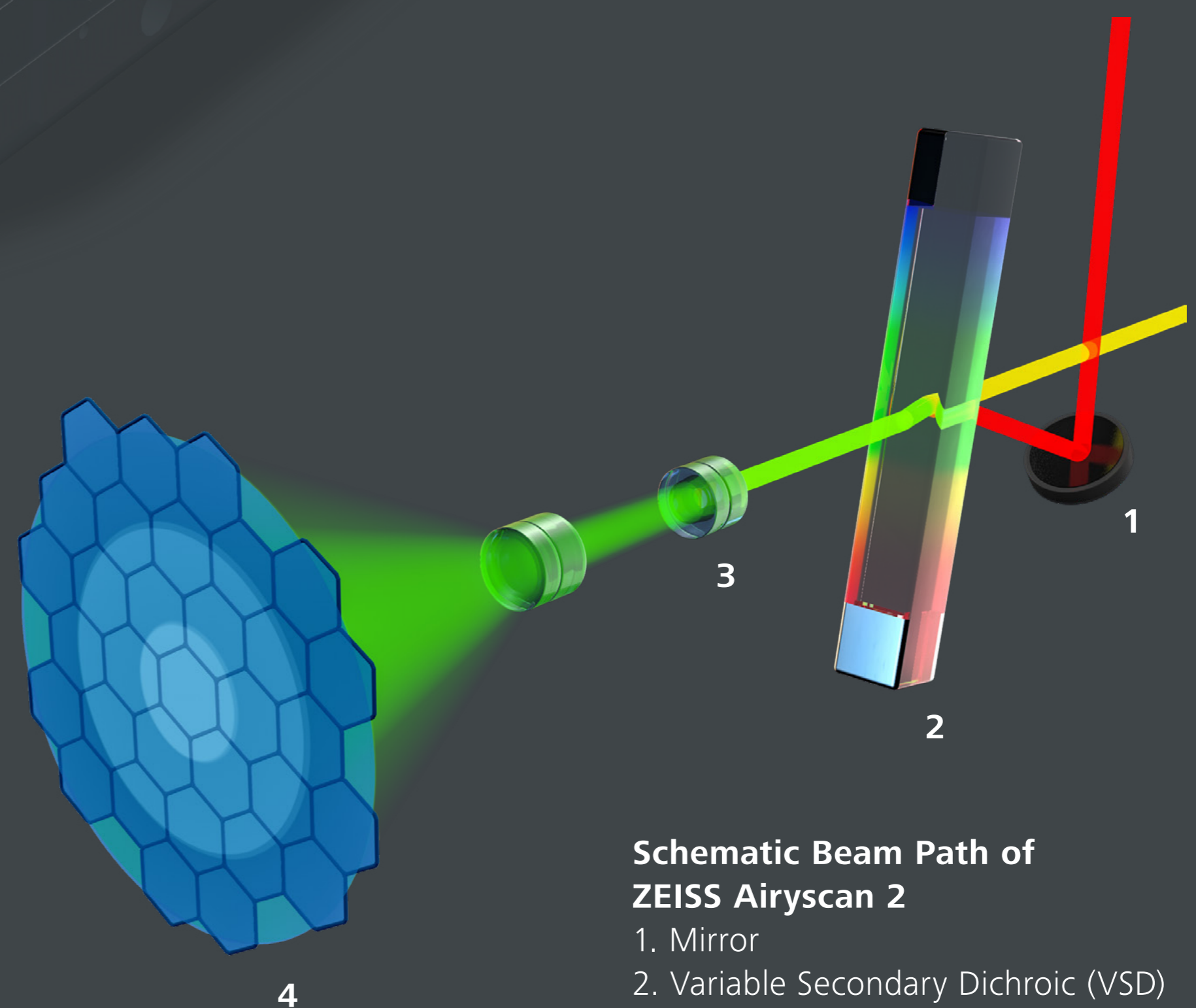


A Streamlined Light Path with Surprising Flexibility

The compact light path with a minimum of optical elements is designed for highest efficiency. Fluorescence emission light travels through the main dichroic beam splitter with its outstanding laser suppression to deliver supreme contrast. Up to two patented variable beam splitter dichroics (VSDs) divert the spectral part of the light. You can define up to three detectors (multialkali, GaAsP or Airyscan 2).



Scan for Beam Path Animation



Schematic Beam Path of ZEISS Airyscan 2

1. Mirror
2. Variable Secondary Dichroic (VSD)
3. Airyscan optics
4. Airyscan 2 detector

The Airyscan Principle

Airyscan 2 is an area detector with 32 concentrically arranged detection elements. This allows you to acquire most of the Airy disk all at once. The confocal pinhole itself remains open and does not block light, thus more photons are collected. This produces much greater light efficiency while imaging. Airyscan 2 gives you a unique combination of gentle superresolution imaging and high sensitivity.



ZEISS LSM 900 with Airyscan 2

Your Compact Confocal for Fast and Gentle Multiplex Imaging

zeiss.com/lsm900



Seeing beyond