# *Scanning Units*

***Superior expandability to accommodate future applications.***

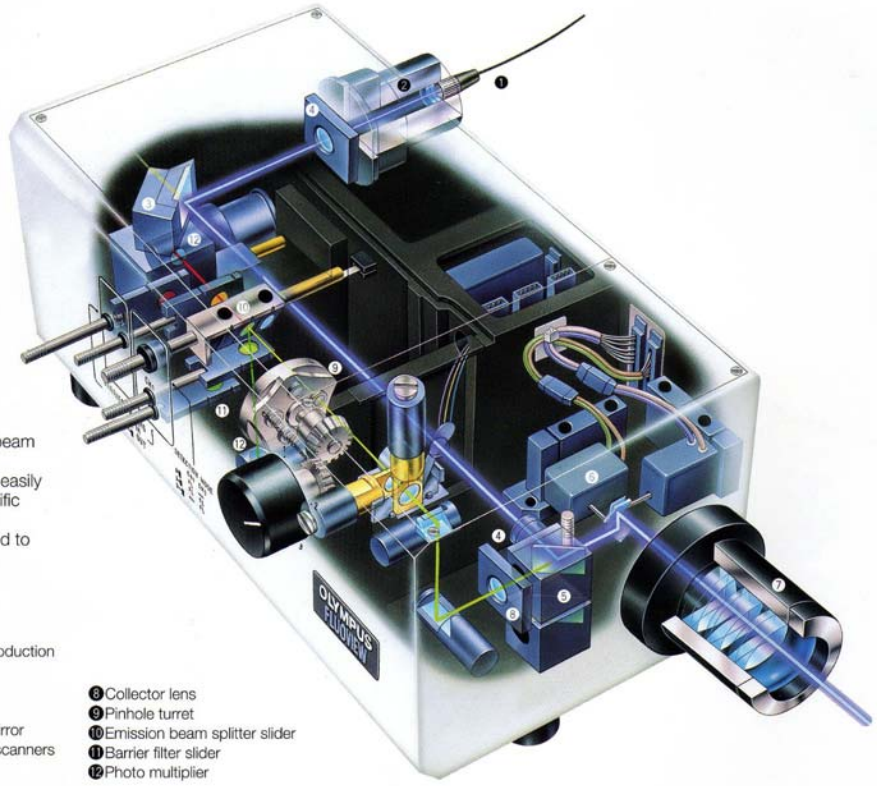
FV300

**Manual operating scanning unit**

The scanning unit combines maximum optical efficiency with easy, one-touch selection of pinholes and filters.
The system corrects aberrations from visible to near-infrared wavelengths, allowing aberration-free imaging for a wide range of applications.

**Superior flexibility**

Barrier filters, emission beam splitters and excitation dichromatic mirrors can easily be changed to suit specific applications. In addition, a 405 laser can be added to the scanner's side port.

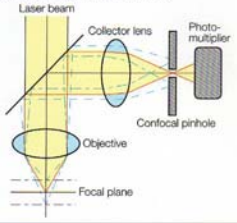



## FV300

❶Optical fiber for laser introduction
❷Beam collimator
❸ Dichromatic mirror
❹Polarizer
❺Excitation dichromatic mirror
❻XY galvanometer mirror scanners
❼Pupil lens
❽Collector lens
❾Pinhole turret
❿Emission beam splitter slider
⓫Barrier filter slider
⓬Photo multiplier

**Features of confocal optics**

- Deliver flare-free, high-contrast images.
- Allow optical sectioning of a specimen with satisfactory vertical resolution (along optical axis).
- Horizontal resolution (perpendicular to the optical axis) is increased to a much higher level than conventional optical microscopes.




| FV300 | FV500 |
|---|---|
| Up to 3 Channels | Up to 5 Channels |
| Visible Light Lasers — (IR Laser) | UV — Visible Light — IR Lasers |
| 2 Laser Ports | 3 Laser Ports |
| Manual Operating Scanning Unit | Fully Automated Scanning Unit |
| 5 Position Single Pinhole Turret | Individual Continuously Adjustable Pinholes |
| Automated Laser Control (AOTF or ND) / Laser Combiner | |
| Power Supply / Control Unit — PC system | |
| Intuitive User Friendly Software | |
| Wide Range of Microscopes | |

## Fluorescence Dyes and Filters