

# LIGHTEL

Inspection, Cleaning, Test

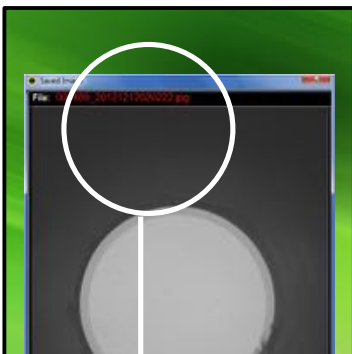
# FiberView™ FV-3100

## Video Microscope for Large Diameter Fiber

## The Easiest Way to Inspect Large Diameter Fiber

The FiberView FV-3100 system is a precision instrument designed for easy viewing of larger diameter (up to 1mm) cleaved or polished connectorized fiber endfaces. The FV-3100 is ideal for the large core/cladding fiber assemblies frequently used in medical and high power laser applications.

FiberView's intuitive software for image capture runs on any Windows® PC. You can digitally zoom live or frozen images for closer inspection and save them along with notes.



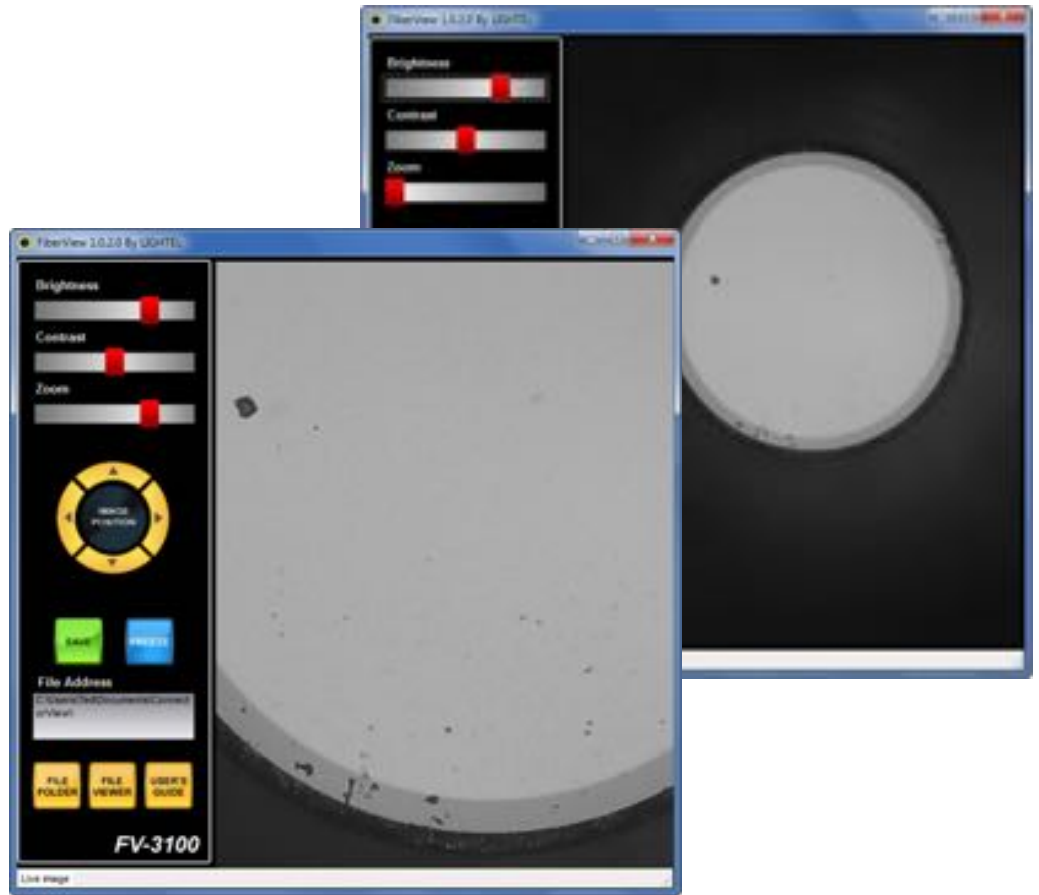
## Features

- Fiber receptacle tips accommodate SMA, 1.25mm PC, and 2.5mm PC connectors
- Use the focus knob to quickly get the best image for viewing
- Horizontal and vertical positioning allow easy centering of connector endface
- Included capture software provides an automatic date/time for saved images

## ➔ Zoom

Sliders in the software allow for digitally zooming up to 3 times the original magnification. This does not increase the resolution of the image but often makes it easier to focus in on smaller areas.

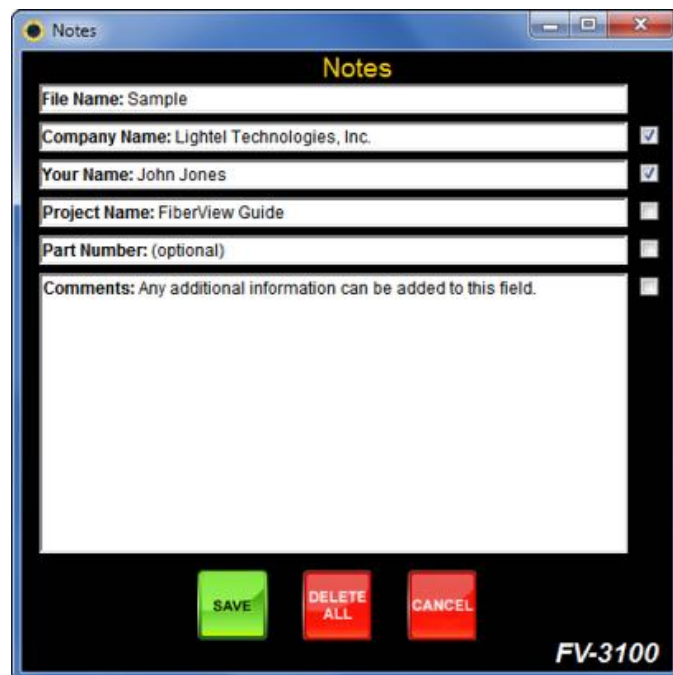
Positioning arrows, along with Brightness and Contrast sliders, make it simple to see problem areas as clearly as possible.



## ➔ Add Notes

The Notes window by default automatically opens when an image is saved. This allows information to be stored with the file, including a custom filename, the name of the person who worked on the image, a project name, and any comments that may be important to reference at a later date.

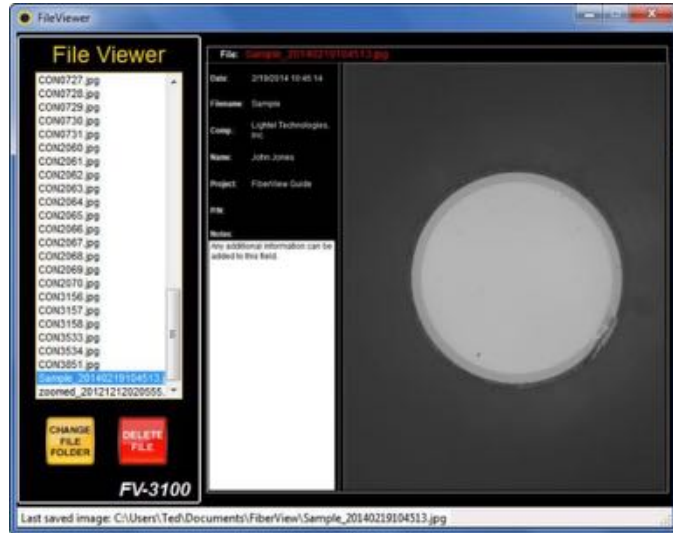
If notes are not needed for your application, FiberView can be set to simply save using an automatic date/time stamp as the filename.



## → Store

Image reports are saved as jpegs and can be accessed in the future with any standard picture file viewer.

All reports contain an image, a file name, and a date/time stamp, along with any additional information that was entered into the Notes fields.



## → Specifications

|                       |   |
|-----------------------|---|
| Field of View         | ~ 1400µm x 1000µm   |
| Resolution            | 0.5µm detectable  |
| Focus                 | Manual adjustment range ±2mm  |
| Axis Adjustment       | Manual X & Y adjustment range ±1mm  |
| Light Source          | Blue LED  |
| Power Supply          | PC USB2.0 port  |
| Dimensions            | H 210mm (with tip), W 120mm, D 123mm  |
| Weight                | 915g  |
| Operating Temperature | 0°C to 50°C   |
| Storage Temperature   | -20°C to 70°C   |
| System Requirements   | Windows XP®, Vista®, Windows 7®, Windows 8®, Windows 10®<br>32-bit and 64-bit systems supported<br>USB2.0 or higher |