

# INSPECTION D SCOPE LFOV



## D SCOPE LFOV

*High resolution microscope for large core optical fiber connectors*

Unique in the microscopes market, the D Scope LFOV **combines automatic diagnosis of very small defects with a large field of view.**

Based on the acclaimed D Scope range, the D Scope LFOV features a **high quality optical system** and adjusted lighting to optimize its numerical aperture. The optical assembly makes it **possible to detect defects <0.5µm.**

Lightweight, compact, equipped with reliable and proven mechanical interfaces, the **D Scope LFOV has a very fast autofocus.** This allows the user to effortlessly move the microscope, connect it to a computer or tablet, and easily perform series of measurements.

With BLINK the Data-Pixel software platform, D Scope LFOV uses Deep Learning technology. **This AI has the advantage of improving the detection of defects, but above all of being scalable.** If you want to deal with specific defect or atypical fiber cases, **Blink's Deep Learning can be taught to recognize defects from your samples.**

Developed to meet the needs of Photonics applications, the D Scope LFOV is very easily adaptable to any connector or **optical fiber type with fiber cores up to 1000 µm.**

### ORDER OPTIONS:

D Scope LFOV unit with : <ul style="list-style-type: none"><li>- Autofocus</li><li>- X 400 magnification</li><li>- Blink Inspection SF</li></ul>	70-DSHM-V1-A10-20
Adapter 1.25 mm PC	30-AD-000301
Adapter 1.25 mm APC	30-AD-000302
Adapter 2.5 mm PC	30-AD-002933
Adapter E2000 PC	30-AD-000299
Adapter E2000 APC	30-AD-000300
Adapter SMA 3.17 mm	30-AD-000309
Adapter FC PC	30-AD-003837

### KEY FEATURES:

Large Field of View for fiber core up to 1000 µm
True Köhler optical design for homogeneous lighting
Deep blue long life LED light source
Fast and accurate Autofocus
Real time Deep Learning software for analysis of defects
Adaptors for all PC & APC, Single or Multi-Fiber connectors
High speed camera for live digital image
Automation capabilities
Compatible with Desktop PC, laptop, tablet PC

### SPECIFICATIONS:

Magnification*:	x400
Field of View (mm):	1 x 1
Light source:	Blue
Focus:	Autofocus
Outputs:	USB 2.0
Power Source:	External 12V
Weight (kg):	2
Dimensions HxWxL (mm):	80 x 140 x 280

\* With sensor image = 90% of a 24" 16/9 screen

DEEP LEARNING  
INSIDE