

INSPECTION D SCOPE LFOV



D SCOPE LFOV

High resolution microscope for large core optical fiber connector

Unique in the microscope 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.**

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):	1.85
Dimensions HxWxL (mm):	80 x 140 x 280

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

ORDER OPTIONS:

D Scope LFOV unit with :

- Autofocus
- X 400 magnification
- Blink Inspection including Deep Learning feature)

70-DSHM-V1-A10-20

Adapter 1.25 mm PC	30-AD-000301	Adapter 2.5 mm PC	30-AD-002933	Adapter LC PC	30-AD-001707
Adapter 1.25 mm APC	30-AD-000302	Adapter 2.5 mm APC	30-AD-000304	Adapter LC APC	30-AD-000312
Adapter 1.6 mm PC	30-AD-001168	Adapter E2000 PC	30-AD-000299	Adapter LC PC Duplex	30-AD-000336
Adapter 1.6 mm APC	30-AD-001169	Adapter E2000 APC	30-AD-000300	Adapter SC APC	30-AD-000310
Adapter 2.0 mm PC	30-AD-000337	Adapter SMA 3.17 mm	30-AD-000309	Adapter FC APC	30-AD-000311