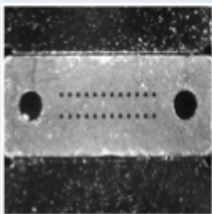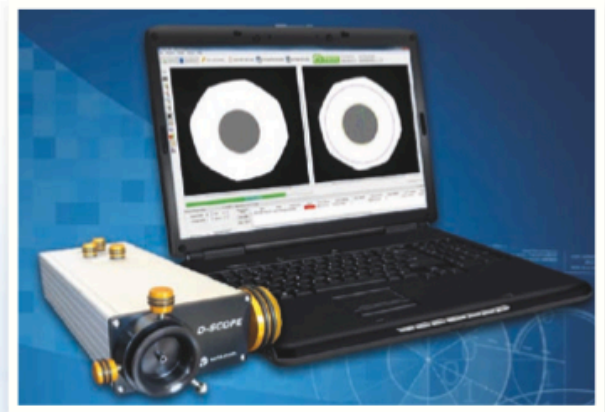# DScope

High quality digital benchtop microscope

This unique microscope combines high quality optics with a modern and
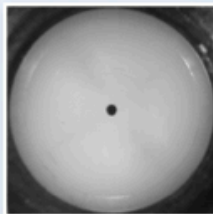ergonomic design ideally suited to fiber optic inspection applications.
Until the D-Scope, most microscopes were suffering from poor illumination quality yielding variable and non-reproducible
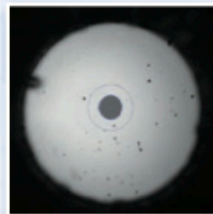image quality even amongst scopes of the same kind.

Key features

★ True Koehler optical design for perfectly homogeneous lighting
★ BLINK-Automated Visual Inspection software detects in real-time the fiber
  location and analyses surface defects
★ Unique ability to define independent gain and contrast levels for the fiber and
  ferrule regions for optimized simultaneous viewing of both areas
★ Adaptors for all PC & APC, SF & MF connectors
★ High-speed USB 2.0 for live digital image
★ Field-stop and Aperture-stop diaphragms
★ Deep-blue long-life LED light source
★ Second light source at low incidence for surface cleanness inspection
★ Ergonomic fine focus control
★ Focus quality indicator in D-Scope software
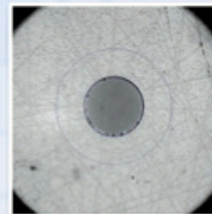★ Software and Hardware automation capabilities
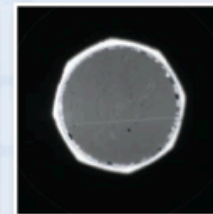
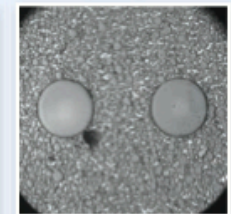DScope x1 : 6.7mm max. field of view   DScope x2 : 3.3mm max. field of view   DScope x4 : 1.7mm max. field of view   DScope x10 : 0.7mm max. field of view   DScope x20 : 0.3mm max. field of view   Multi-fiber adaptors available

Visual Inspection	Dscope-x1	Dscope-x2	Dscope-x4	Dscope-x10	Dscope-x20
Magnification	50*	100*	200*	400*	800*
Field-of-View (mm²)	6.7 x 5.3	3.3 x 2.7	1.7 x 1.3	0.7 x 0.5	0.3 x 0.3
Light source	white	white	blue/white	blue/white	blue/white
Connector types	PC/APC single fiber + Multi-Fiber"	PC/APC single fiber + Multi-Fiber	PC/APC single fiber + Multi-Fiber	PC/APC single fiber + Multi-Fiber	PC/APC single fiber + Multi-Fiber
focus	manual (optional auto)	manual (optional auto)	manual (optional auto)	manual (optional auto)	manual (optional auto)
Aperture/Field stops	no	no	yes	yes	yes
Supported BLINK software plugin	BLINK-Light (Imager viewer)	BLINK-Light (Imager viewer)	BLINK-Light (Imager viewer)	BLINK-Automated Visual Inspection BLINK-PM ALIGNER	BLINK-Automated Visual Inspection BLINK-PM ALIGNER
power supply	via USB link	via USB link	via USB link	via USB link	via USB link
Net weight (kg)	2	2	2	2	2
dimensions (WxHxD) mm	140x78x250	140x78x250	140x78x250	140x78x250	140x78x250
* comments	Equivalent magnification for a display video screen of 43cm diagonal				