

AutoGet Wifi Intelligent Fiber Endface Microscope

Fully automated multifiber connector inspection and analysis



The primary cause of optical network problems is that the connector's endface is dirty or damaged, so, how to quickly and efficiently diagnose is particularly important. PDR AutoGet Wifi is industry's first foldable, all in one handheld endface microscope. It provides an intelligent fiber endface inspection solution, which can automatically inspect and analyze single fiber, MPO or other multifiber connectors with unparalleled reliability, great efficiency and convenience. It is the most ideal solution in this area currently.

Main Features

- Fully automatic, one step process
- All in one design, Integrated HD touchscreen
- Excellent analysis ability (based on IEC or user-defined criteria)
- Multiple data transfer methods, supports SD card, Wifi or USB
- One-click inspection for MPO or other multifiber, back review is available
- Unique foldable body, flexible option for straight use or foldable type
- Unique Replaceable Intelligent Battery, "Permanent power" with 1+ battery
- Universal USB Type C interface, compatible with various charging devices

Applications

- 5G optical network construction and maintenance
- Data center
- High reliability fiber connection
- Laboratory and manufacturing test

All in one handheld fiber endface inspection

AutoGet Wifi achieves 5A design (Anyone, Any Fiber, Anytime, Anywhere, Automatic), that is, anyone (the engineers no need professional background and technical training, also able to perform it according to IEC or user-defined criteria), for any fiber endface, can one-click fully automatic operation at anytime and anywhere.



Unparalleled MPO automatic inspection and analysis

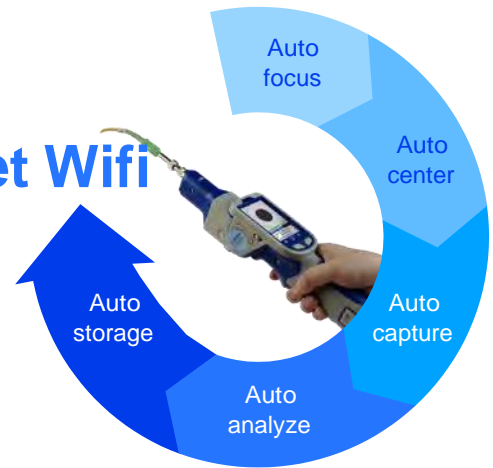
With the widespread use of MPO worldwide, MPO endface inspection is becoming more and more important. The AutoGet Wifi MPO adapter, makes it easy to inspect and analyze each fiber endface in MPO. With integrated HD touchscreen, users have fully control, can inspect all fibers with one button, to view and analyze in real time, also can pan and scroll across the screen to see all images, and back review the endface's analysis results.



Fully automatic, one step process

AutoGet Wifi integrates PDR's autonomous image processing algorithm, to achieve 100% automatic operation. Such as auto recognition, auto focus, auto center, auto capture, auto analyse, and auto storage.

AutoGet Wifi

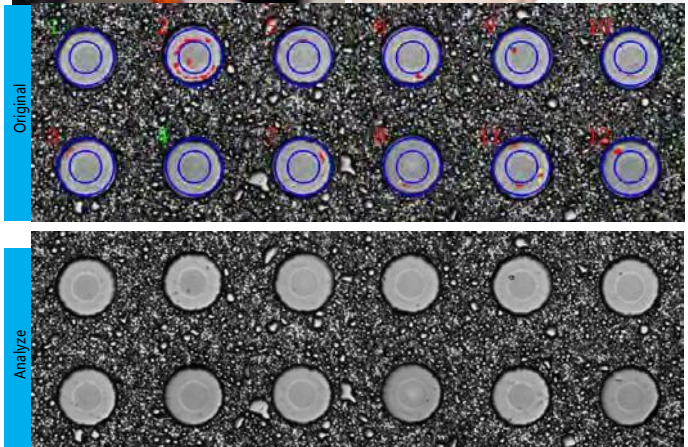


MPO Inspection

AutoGet Wifi's unique MPO interface adapter supports automatic and fast inspection of MPO and other multifiber connectors. Users can analyze all fiber endfaces with one click, and back review the analysis results.

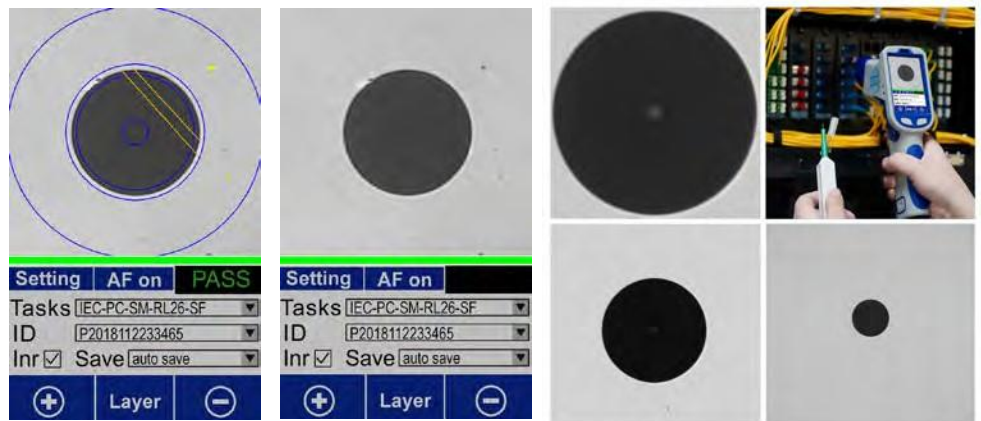


Zone	Zone 1				Zone 2				Zone 3				
	Fiber	Name	Innr	Outer	Defects	Name	Innr	Outer	Defects	Name	Innr	Outer	Defects
1	A	0	65	0	B	65	115	3					
2	A	0	65	2	B	65	115	5					
3	A	0	65	0	B	65	115	1					
4	A	0	65	0	B	65	115	2					
5	A	0	65	0	B	65	115	2					
6	A	0	65	0	B	65	115	5					
7	A	0	65	0	B	65	115	3					
8	A	0	65	0	B	65	115	2					
9	A	0	65	1	B	65	115	2					
10	A	0	65	1	B	65	115	3					
11	A	0	65	1	B	65	115	5					
12	A	0	65	0	B	65	115	6					



Excellent analysis ability

AutoGet Wifi performs precise and automated analysis based on IEC or user-defined criteria with multiple magnifications, not only has a wide field of view, but also with very rich details.

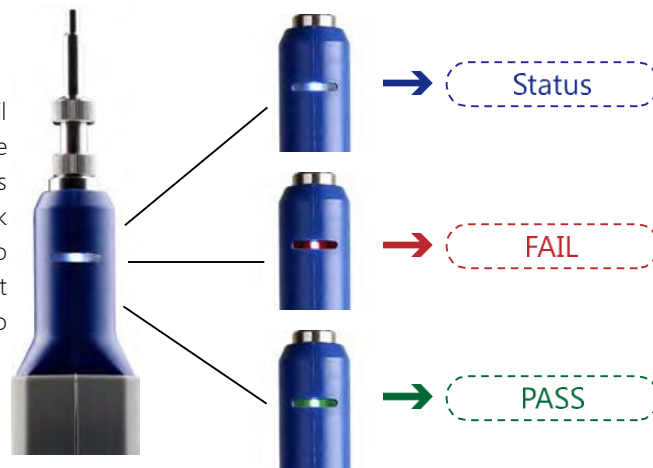


Portable Fiber Endface Microscope

AutoGet Wifi Intelligent Fiber Endface Microscope
AutoGet Portable Intelligent Fiber Endface Microscope
EasyGet Wifi Wireless Fiber Endface Microscope
EasyGet Wifi MT Wireless Full Fiber Endface Microscope
EasyGet2 Portable Fiber Endface Microscope
New fiber elbow adapter

PASS/FAIL LED indicator

AutoGet Wifi is configured with pass/fail LED indicators, users can directly determine the endface inspection result. If it displays in green, it means PASS, no need to check the screen to see the result and directly go to the next point. If it displays in red, it means FAIL, user can check the screen to view the analysis image and for judgment.



Integrated HD touchscreen

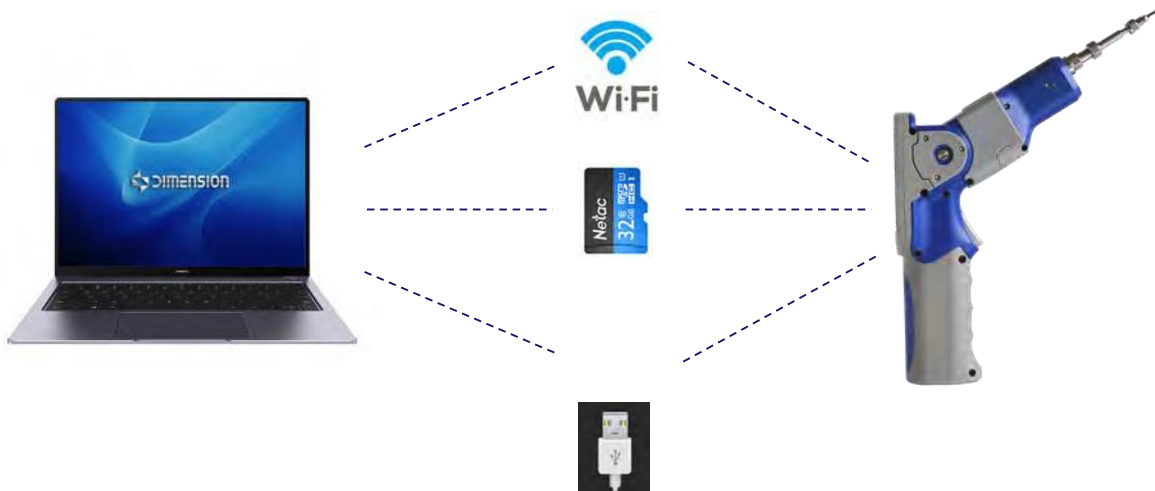
AutoGet Wifi adopts a 3.2" HD touchscreen, users can view images and analysis results without any third-party display terminals, easily checking the fiber endfaces.

Integrated light sensitivity function can automatically adjust screen brightness based on ambient light and darkness.



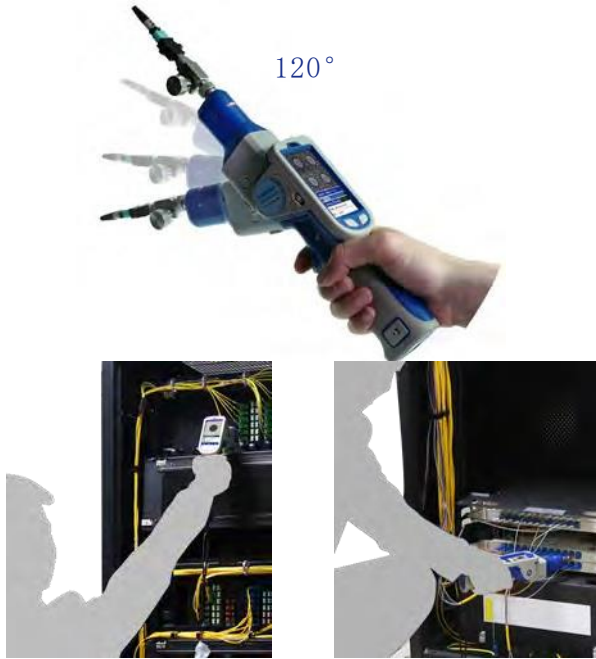
Multiple transmission methods

AutoGet Wifi provides a variety of transmission methods, data can be stored directly on the device or connected to a PC via Wifi or USB, and to be exported.



Unique foldable body

AutoGet Wifi has the industry's unique foldable body, it's special shaft structure design, makes the body can be flexibly folded into a straight rod or pistol type (120°), easily meet the requirements of different application environments.



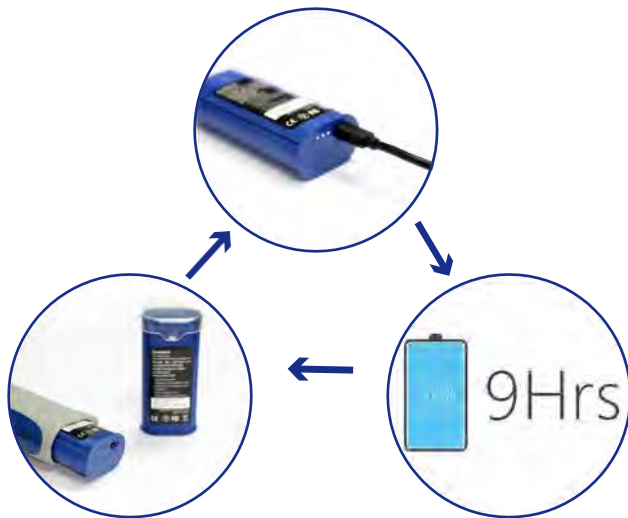
Unique LED lighting

AutoGet Wifi equipped with LED lights that can be easily used even in low-light environments, bring PDR customers with great convenience.



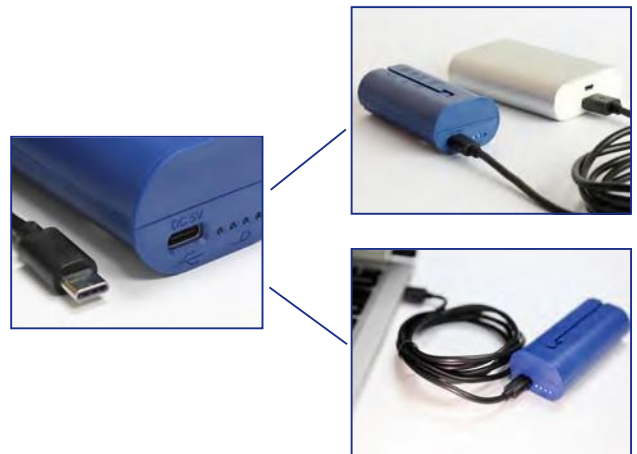
Unique replaceable intelligent battery

AutoGet Wifi has an industry-replaceable intelligent battery. The battery can be charged independent and power lasts nearly 9 hours , also can be used it while charging . Users can buy 1 more battery to keep continuous power.



Universal USB type C interface

AutoGet Wifi has the universal USB Type C interface, which is compatible with various charging devices.



Rich adapter parts

AutoGet Wifi has more than 50 kinds of adapters, can meet user's multiple inspection needs, support MF, compatible with MPO/MTP. Special adapter interface can be customized.



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- AutoGet Portable Intelligent Fiber Endface Microscope
- EasyGet Wifi Wireless Fiber Endface Microscope
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Specifications

Projects	MT Parameters	Common Interface Parameters
Resolution	0.92um	0.52um
Image Sensor	1/1.8" CMOS	
Optical Magnification	×5	×8.72
Display	480X800 3.2" LCD touch screen	
Display Frame Rate	25fps	
Field of View	1440um×1100um (Preview mode) 220um×220um (Measure mode)	620um×620um (Preview mode) 250um×250um (Measure mode) 130um×130um (Core mode)
Image Magnification	3 levels	
Particle Detection	<1um	
Focusing Mode	Auto	
Signal Output	WiFi 、 USB Type C	
Power Supply	Built-in Li-ion battery (chargeable、 replaceable)	
Life time	9 hours	
Charge Time	4hours (charging current: 2A)	
Charge Adapter	USB DC adaptor 5V/2A, including US,EU,UK,AU...adapters	
Accessibility	With white LED environment lighting, body can be 60°foldable	
Operating Temp.	-5°C ~ +40°C	
Storage Temp.	-20°C ~ +55°C	
Relative Humidity	<90%(Working/Storage)	
Weight	565g	
Dimensions	281mm×201mm×57mm (foldable)	341mm×67mm×57mm (straight)

AutoGet Portable Intelligent Fiber Endface Microscope



Autoget is an intelligent portable fiber endface inspector developed by PDR Videotronics Technology. It is equipped with newest hardware and software, and with functions of auto focus, auto exposure, auto analysis, auto generate report, auto image transmission, etc. 400X Autoget can detect the defects such as dirt, scratches clearly by its software.

Main Features

- Auto focus / Auto exposure setting / Auto centering
- Auto analysis / Auto reporting in Excel format
- High image quality
- LED indicator for working status
- Compact and Slim
- Compatible with IEC 61300-3-35
- Quick and one-click measurement

Applications

- Mainly used for data center, base station, equipment detection, and other outdoor environments, single-fiber, multi-fiber endface detection.

Auto Analysis

With the deep understanding on customer 's requirement on visual inspection, the latest hardware and software, AutoGet can automatically analyze the fiber endface quality based on IEC standard or customer defined criteria. The accurate and repeatable measurement results don't rely on the skills or experience of operator.

Instant Status Indicator



The operator can get the instant feedback of the working status and testing results, from the user interface and the 3 color LED indicator on the probe. The blue LED shows a on-going measurement. The green LED indicates the testing result is PASS while the red LED indicates the testing result is FAIL.

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New fiber elbow adapter

Auto Centering

For more accurate image analysis, AutoGet identifies the shift of fiber core and moves the core to the center automatically.

Accurate Testing Result

The optimized algorithm avoids any man-related misjudgments. The reliable endface inspection helps to ensure the product's ultra performance in the field application.

Fast Measurement

Benefiting from the fast focusing and image analysis, AutoGet can complete the whole testing in less than 2 second. In any scenarios, AutoGet helps to make the visual inspection easier and more efficient.

A full series of Adapters

Autoget is equipped with a full range of adapters to meet the requirements of fiber endface inspection in various occasions. AutoGet is simple and portable, and can be used for accurate measurement, both for factory use and for field use.



Flexibility

The compact design and series of adapters give AutoGet the flexibility for precise measurement, on desktop and on-site.

Trace-ability

For better trace-ability, AutoGet can save the data and report in different formats, following the configuration.

Specifications

Item	Parameters
Magnification	400X
Resolution	1.0um
Focus	Automatic
System	PC
Power	2W
Operation Temperature	-10°C ~ +55°C
Storage Temperature	-20°C ~ +60°C
Power	USB
Size (H*W*D)	182mm X48mmX25mm
Weight	152g