



Precision Rated Optics

Work with a **PRO!**

VIP-55

Video Inspection Probe



Operation Guide

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1. VIP-55 Video Inspection Probe

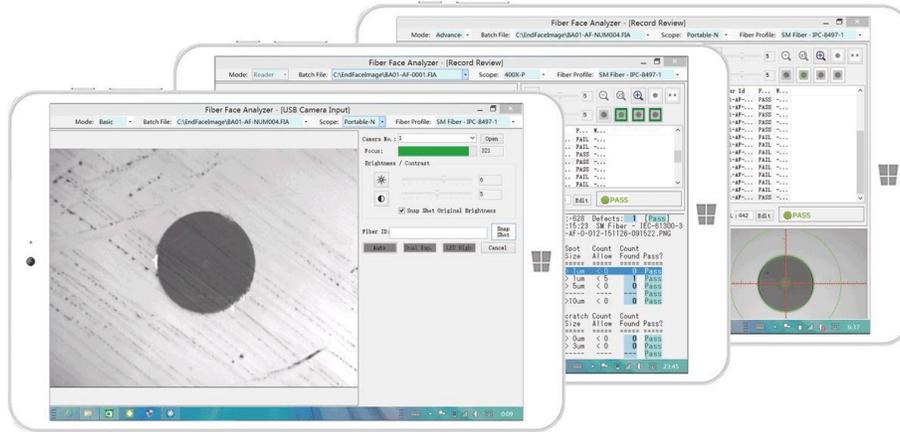
Keeping the previous advantages of quick check, the new VIP-55 fiber inspection probe is designed to be smarter and more power saving. It has both WIFI and USB connections to help get end face images quickly sent and shown on a smart phone either in Android or Apple system. The user can check the end face anytime anywhere with ease. The VIP-55 can be used in almost all normal inspection situations, e.g. connectors in panels or individual patch cords.



- 1) Power On/Off & Quickswitch (WIFI/USB) Button: hold the key button for 3 seconds to turn the device on or off. Double click to switch the mode between WIFI and USB.
- 2) Light Indicator (WIFI/USB): blue light represents the WIFI mode, green light represents the USB mode.
- 3) Reset: hold and press the key for 5s or above to restart the device.
- 4) Focus Wheel: flip the wheel back or forth to adjust the focus.
- 5) Capture: press the key to take a snapshot of the connector.
- 6) Illuminator: emergency use in insufficient lighting environment
- 7) Retaining nut: lock the adaptor to secure the location.
- 8) Interchangeable tip: various tips are available for inspecting various connectors.
- 9) Batteries Indicator: light will be on for 5s once illuminator is pressed to show the battery status. When the battery level is too low, the light will flash
- 10) Illuminator power: turn on or off the illuminator.
- 11) Micro-USB Port: to connect to PC or mobile via USB cable; for charging when the power is too low.
- 12) Light indicator (Charging): red light represents charging status, green light represents the fully-charged status.
- 13) Brightness Switch

FB Connect

FB Connect is the mobile software application for Android and IOS system. It can capture, display and record the fiber end-face image on the phone with ease.



2. Highlights

- 1) Precise cone-shaped tip to reach 98% alignment consistency.
- 2) Single way re-cycle focus wheel to have efficient focus control.
- 3) Image capture button for operation convenience.
- 4) 400× Magnification, better than 1um resolution.
- 5) Suitable for all types of connectors test: APC, UPC, MTP and more.
- 6) Clearer imaging to figure out dents/scratches/dots etc., within seconds.
- 7) Compile with types of OS: Windows/Linux/Mac.
- 8) WIFI and USB mode quick switching with Quickswitch™.
- 9) User-friendly design: various light indicators showing operating mode and status; illuminator to allow work in dim environment.
- 10) Compile with CE/CEM and ROHS standards



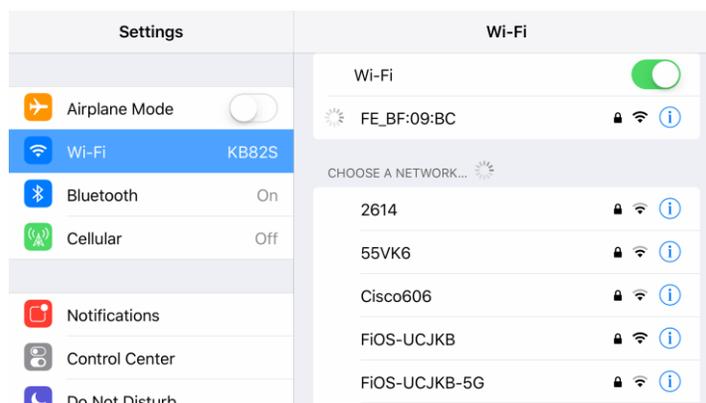
3. APP installation and use

App installation

Apple: Search for the app “FB Connect” in apple store and download as usual. Supports IOS 8.0 or above.

Android: Search for the app “FB Connect” at app store and download as usual. Supports Android 4.4 or above.

Two different WIFI networks are required for app installation and normal APP usage. During APP download, the smart phone needs to connect to a WIFI with internet service. During normal usage, it needs to switch to the local WIFI network furnished by the probe. The probe’s WIFI network site name starts with the initial “FE_” and the default password is 12345678. If connection fails, an alert message will be shown on the smart phone.



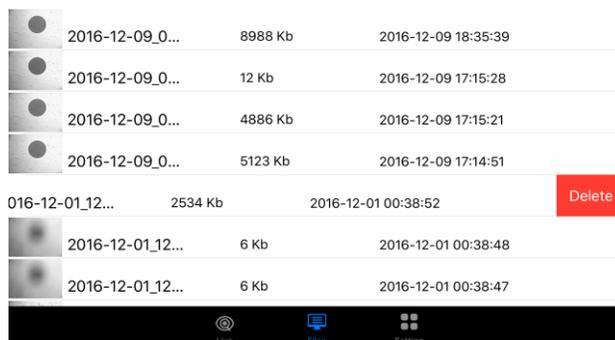
Note

- It will take around 6 seconds or more for WIFI connection.
- When batteries are too low, please make sure to charge properly. The power level indicators can also help check the batteries status.
- The probe may get slightly heated after WIFI connection, which is normal.
- Original 3G/4G network will be closed automatically after the WIFI connection.

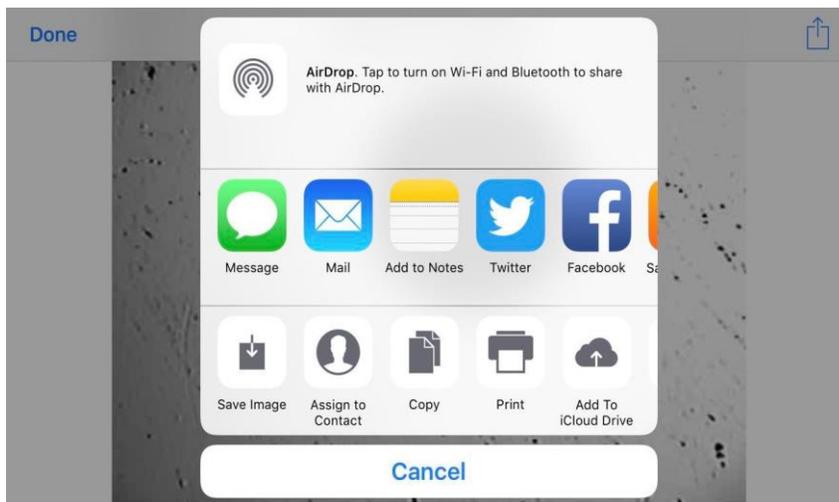
Record

The record files, including video and images, can be checked under the files selection.

Click the file can get the details of file size, name and type easily. Slide left can get the record deleted if necessary. Drag down the refresh operation to update the list.

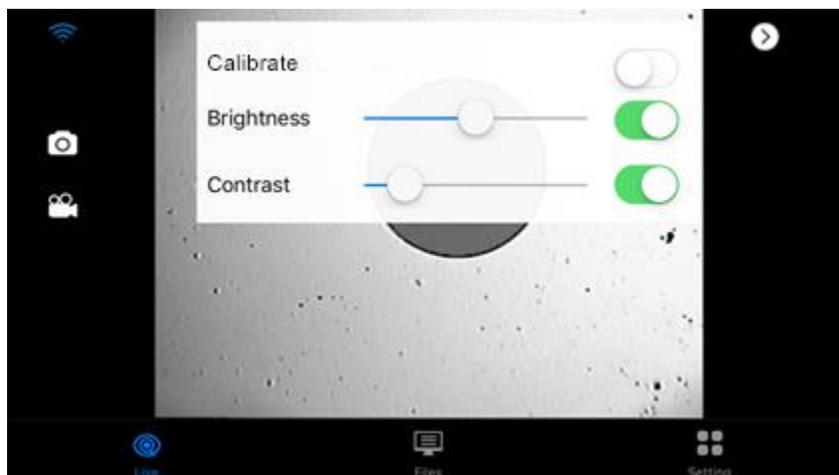


User can also share the file with the third party software to access external network.



Adjustment

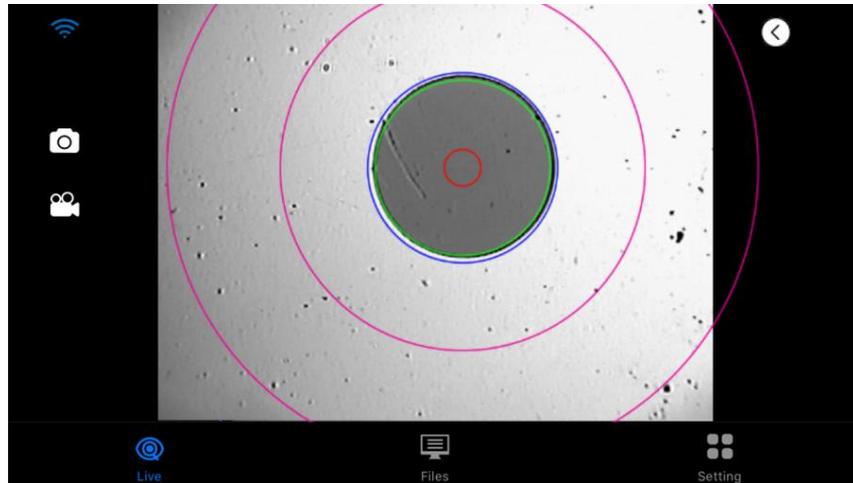
Click the upper right corner, three functions will be shown including Brightness adjustment, Contrast adjustment and Calibrate function.



Calibrate function to help easily delineate the zone areas stipulated in industrial standards.

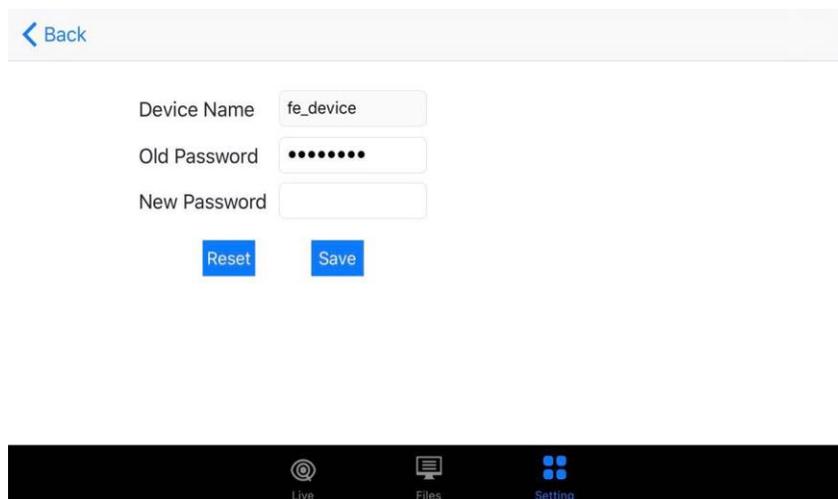
Brightness to adjust the device brightness automatically or manually.

Contrast to adjust the device contrast automatically or manually.



Reset

User can change the WIFI password under setting selection as below image. If the password is forgotten, user can click the “reset” button to restore the default password 12345678. After resetting, please restart the app to activate the changes. Same function can also be implemented via the reset key on the probe.



4. USB Cable Use

The VIP-55 can also work with USB cable connection, besides the WIFI connection. User can switch between the modes through Quickswitch™.

Double click the power button of the probe to switch between the modes. When the WIF/USB light turns green from blue, it indicates a normal USB signal output, which afterwards can be connected to mobiles or other PC for checking. USB cable connection mode supports multiple operating systems, including Windows, Linus and Mac OS.

Software

The fiber face viewing software FFV is offered on Windows system as the professional viewing software.

The app named FB Connect is offered on Android system as the professional viewing software, but it's not guaranteed to work on all the android models.

FB Connect Analysis



The fiber face analysis software FFA can be used to analyze the fiber end face image on Windows platform, it can have dirt, defects and scratches on the end face measured and recorded with pass/fail judgement. The latest version is 5.0, for more details, user can visit the company website for more information.

Interchangeable tips



To mate different connectors, various tips are available and interchangeable. First loosen the retaining nut. Then remove the tips along the lens bar. Lastly make the change and tighten back the retaining nut.

Note: try to avoid impacting the lens bar when making changes to avoid possible damage.

5. Configuration

Items	Description	Quantity
VIP-55	Probe supports 2.4GHz WIFI channel and USB2.0 wire connection	1pcs
Standard tips	2.5mm Universal (Male) 1.25mm Universal (Male) LC Bulkhead (Female) SC/FC Bulkhead (Female)	1pcs each
USB cable	USB to Micro USB cable, for charging or data translate	1pcs
Soft case	Contain the device and kits	1pcs
Application	Android & IOS Support	
USB AC adapter(optional)	5V 1A charger	1pcs
USB adapter(optional)	USB-C to USB-A adapter. Applicable for USB2.0 and USB3.1 OTG smart devices	1pcs
Arm bag(optional)	Outdoor arm strap holding mobile phone	1pcs
Software(optional)	EFD fiber end face analysis software, free upgrade	
USB Dongle	Security measure of analysis	1pcs

6. Specification

Items	Values
Magnification	400X
Resolution	<1um
Field of View(mm)	X: 0.3487 Y: 0.2632
Light source	Blue LED
Focus Way	Single-way
Focus time	1~5 s
Alignment	>98%
Capture button	Available
Quick switch	Available, switch between WIFI and USB
Connector	Micro USB
Connectivity	WIFI802.11 & USB2.0
WIFI Frequency	2.4GHz
Smart device OS compatibility	Android 4.4 and above, IOS 8.1 and above
Voltage	5V
Power support	3400mAh Li-ion
Working time	≥ 5h
Recharge time	≤ 5h
Color	Black
Weight	175g(0.4 lb)
Distance range	20m
Dimension	19x 5x 3cm (7 ^{1/2} x 2 x 1 ^{1/5} inch)
Working/Storage temperature	-10° ~ 50 ° / -20 ° ~ 60°
Humidity	<90% (Non-condensing)

7. Maintenance

Tips:

- Please clean the connector before the inspection if necessary.
- Please clean the device regularly to prevent any dust and debris from previous connectors to impair the inspection.
- Please keep the device in a clean and dry environment.
- Please avoid unnecessary impact and vibration.
- Please turn off the power immediately if any fluid gets into the device, make it totally dry before power it on again.

Charging

- The LED light at the end of the probe is on to show all charging status.
- For the first time charging, please make sure to wait for a few hours till the LED light turns green from red to make sure a full charge. Battery protection circuit is embedded to protect from over-charge or over-discharge.
- The charging time depends on multiple factors as working or storage temperature, so please make sure it can be charged under proper environment.
- When the probe is connected with power or USB cable, it can still be chosen to work in WIFI mode.
- When the probe is connected with USB cable to a PC, it can also be charged, at the rate of 500mA.

8. Troubleshoot

Please check the table below for solutions to the common problems

Problem	Solution
No image seen on the display	<p>Make sure the probe is connected with Wi-Fi.</p> <p>Make sure the probe is working in the WIFI mode.</p> <p>Make sure FB Connect is properly connected with the probe, if not, please close the FB Connect and reopen it again.</p>
No image seen on the display even with WIFI connection	<p>If the temperature of probe is too high, please cool it down first.</p> <p>Make sure the batteries are fully charged.</p> <p>Please reconnect the device if there's still problems.</p>
Flickering or abnormal image in real-time video mode	<p>Please check if batteries are too low to display properly.</p> <p>Please close the FB Connect and reopen it again.</p>

9. After-sales service

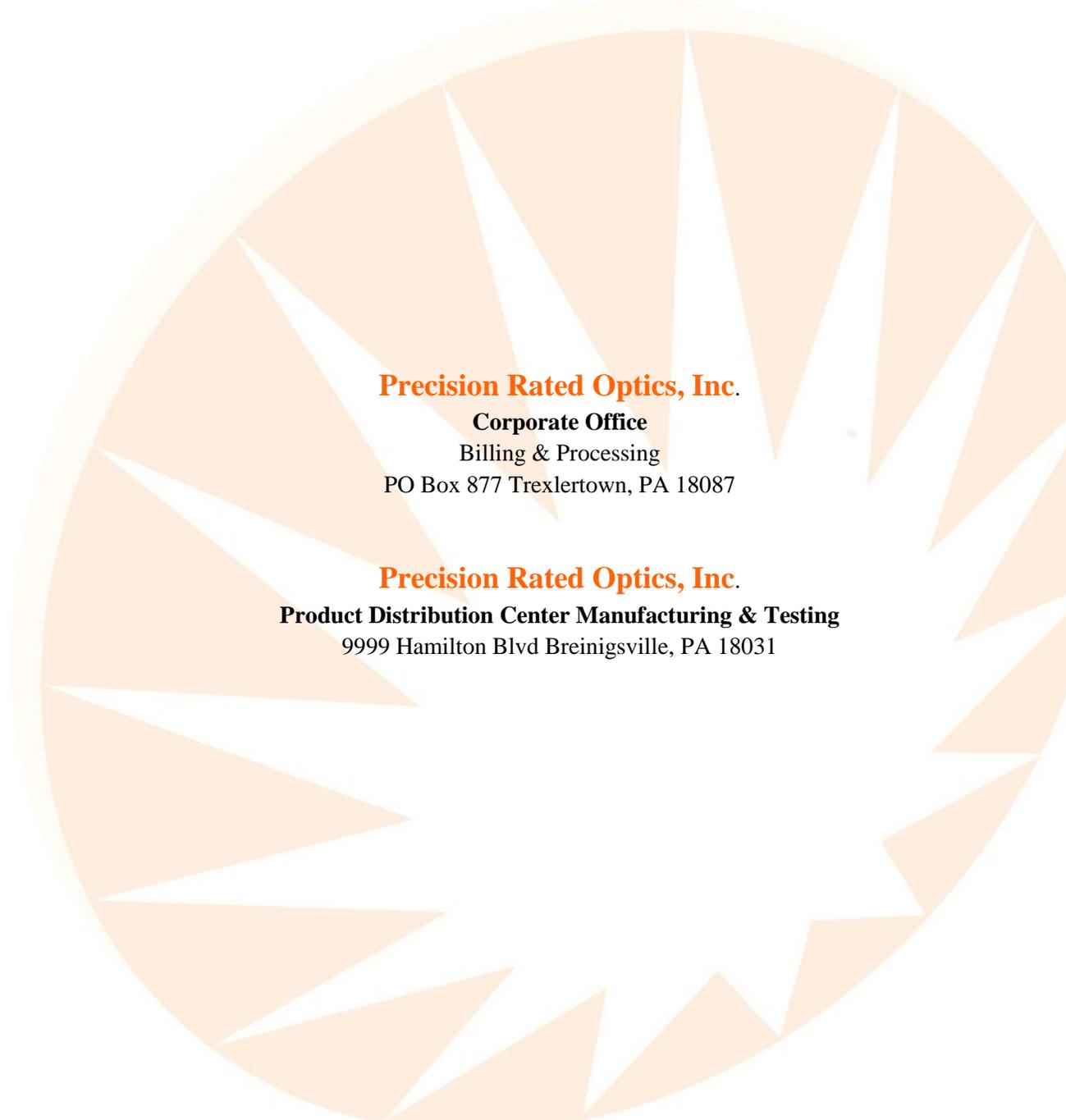
The probe has 12 months guarantee period and life-long maintenance service.

Any damage caused either by improper use, falling, disassemble by user, or uncontrollable natural disasters, like lightning or fire, will not be eligible to guarantee service.

Consumable accessories including fuse, indicator light, batteries and common interface etc., are not included in the service.

Any change of the design or structure on the product is subject to the company policy without prior notice.

Please contact your suppliers if there is any problem.



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