

# Optimeter

## Latest Version

Version ID : 243311

Release date : August 12, 2024

Application	Version	Date
File System	23.13.5	2024/08/12
Boot	10.86.1	2024/07/10
Linux Kernel	25.12.2	2024/07/10
Fiber Optics	24.4.9	2024/07/29
Instrument Setup	24.4.9	2024/07/02
Microscope	24.4.9	2024/07/22

## OptiTrak Application

### New Features:

- OptiTrak File Storage: New auto-delete feature automatically deletes all files older than 35 days.
- OptiTrakPLUS option User Interface/User Experience:
  - OTDR trace cursors: new softkeys allow more precise cursor movement for improved navigation and accuracy.
  - OTDR trace cursors values: enhanced readability with a larger font size
  - OTDR Trace X & Y zoom: a long press on 'A' displays new softkeys for simultaneous zooming in/out and shifting the trace.
- OptiTrakPLUS option: OTDR Trace now available in PDF report

### Corrections:

- OptiTrak: Last Mile distance (ONT <-> Splitter) decreased from 5 to 2km

## Inspection/ Fiber Microscope Application

### New Features/ Improvements

- Autostore enabled and JSON file format automatically selected when a Job ID is entered

## Previous Versions History

Version ID : 241140

Release date : March 18, 2024

- Boot	10.85
- Linux Kernel	25.9.0
- File System	23.7.1
- Instrument Setup	24.00
- Microscope	24.00
- Fiber Optics	24.00

### OptiTrak Application

#### New Features:

- OptiTrak: new macrobend identification/icon in Link view
- OptiTrak: Last Mile distance (ONT <-> Splitter) increased from 2km to 5km

#### Corrections:

- OptiTrak: wrong splitter icon when one power wavelength off is fixed.
- OptiTrakPLUS option: smoother transition between OptiTrak and Trace view
- OptiTrakPLUS option: Real time mode wrong distance & event numbering issues are fixed

### Inspection/ Fiber Microscope Application

#### New Features/ Improvements

- Add a new tip setting (\*.tip.xml) while retaining the existing settings
- Select an IEC 61300-3-35 edition 3 profile for pass-fail testing
- Miscellaneous bug fixes

**Version ID : 234930**

**Release date : December 06, 2023**

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|--------------------|--------|
| - Boot             | 10.84  |
| - Linux Kernel     | 25.6.2 |
| - File System      | 23.4.7 |
| - Instrument Setup | 23.68  |
| - Microscope       | 23.68  |
| - Fiber Optics     | 23.68  |

## **OptiTrak Application**

### Corrections:

- OptiTrak: bad link display with very short fiber span (20m/65feet) bug fix.
- OptiTrak: "Splitter to ONT" test mode wrong acquisition time random bug fix.
- OptiTrakPLUS option: app not responding with "Please wait..." message bug fix.

## **Test Process Automation (TPA) / Job Manager**

### New Features/ Improvements

- Management of UTF-8 characters.
- New pop-up messages when sync to StrataSync is in progress and complete.

## **Inspection/ Fiber Microscope Application**

### Correction:

- Potential turn-up issue when P5000i probe connected to mainframe now fixed.

**Version ID : 231450**

**Release date : April 7, 2023**

- Boot	10.81.4
- Linux Kernel	25.2.2
- File System	23.1.12
- Instrument Setup	23.22
- Microscope	23.22
- Fiber Optics	23.22

## **OptiTrak Application**

### New Features/ Improvements

- Power Level status is no longer a fail when 1 wavelength out of 2 is “No signal”
- SW Release, Serial Number and Config File Name now displayed in Settings Page
- OptiTrakPLUS option: Real Time set to 10ns by default
- Miscellaneous bug fixes

## **Inspection/ Fiber Microscope Application**

### New Features/ Improvements

- Added support for importing test results from a USB-connected FiberChek probe microscope
- Added support for updating the profiles on a FiberChek probe microscope when deployed from StrataSync
- Added an About screen under Setup
- Added an OptiTrak navigation shortcut to the tested screen
- Improved management of tip settings and profiles when deployed from StrataSync
- Improved popup messages when using Job Manager
- Miscellaneous bug fixes

## Test Process Automation (TPA) / Job Manager

### New Features/Improvements

- Added formal support for Android connectivity (smart devices running Android 12 or a newer version recommended)
- Improved support for iOS connectivity with VIAVI Mobile Tech app
- Improved support for Ethernet/Wi-Fi connectivity with VIAVI Mobile Tech app
- Added support for job creation via API
- Added support for job creation via VIAVI Mobile Tech app
- Added support for configuration deployment from StrataSync
- Added support for software option deployment via VIAVI Mobile Tech app
- UX/UI improvements for the instrument-based Job Manager
  - Support for creating jobs locally via templates
  - Improved integration with fiber tests
- Miscellaneous bug fixes

**Version ID: 230350**

**Release date: January 20, 2023**

- Boot	10.81.2
- Linux Kernel	25.2.2
- File System	23.1.2
- Instrument Setup	23.04
- Microscope	23.04
- Fiber Optics	23.04

## OptiTrak Application

### New Features/Product Improvement

- Enhanced application to display “on-the-fly” results at the start of the link certification test.
  - Link information (Total/Link Loss, ORL, length values) and link events/elements displayed once link test starts and will continue to refine the results throughout the test. Pass/Fail information displayed once the link test is completed.
- Enhanced display of START/STOP softkey, including rotary timer which displays remaining test time.
- Information (“i”) softkey moved from right purple control bar to the top of overall test results, next to overall Pass/Fail test indication.
- Ghost icon will no longer be displayed.
- OptiTrakPLUS option : Ability to display OTDR Trace and Perform Real Time OTDR Measurement within OptiTrak application.
- OptiTrakPLUS option : Ability to Start/Stop 2KHz tone generator within OptiTrak application (Only available for products manufactured after Oct 1<sup>st</sup>, 2022)

## Inspection/ Fiber Microscope Application

### New Features/Product Improvement

- Extensive user interface (UI) refresh
- Allows probe microscope firmware updates via host instrument
- Now possible to add new inspection tip settings via a USB drive or StrataSync update
- Now possible to add new test profiles via a StrataSync update
- End face image now embedded within the saved JSON results

## Test Process Automation (TPA)

### New Features/Product Improvement

- Job manager: Possibility to handle job template files coming from StrataSync or MTA
- Integration of a full StrataSync/MTA process within Job Manager

**Version ID: 224140**

**Release date: October 14, 2022**

- Boot 10.81.1
- Linux Kernel 25.1.0
- File System 23.0.13
- Instrument Setup 22.64
- Microscope 22.64
- Fiber Optics 22.64

## **Mainframe / Base Unit**

### New Feature/Product Improvement

- Addition of 1650nm light source/tone generator for calibrated products (Manufacturing Date: from October 1st, 2022)

### Problem correction

- WiFi AP Master mode : SSID network name always displays 'platform'\_ 'Serial nb' (no longer 'Wireless Host')

## **OptiTrak Application**

### New Features/Product Improvement

- Ability to perform a certification test without entering a Job Id
- Small inspection settings modifications (new default file name, removal of Link menu)

### Problem correction

- Power Wavelengths small bugs fixes (Global Pass/Fail analysis and JSON file)

## **Test Process Automation (TPA)**

### Problems correction

- Files with a space in the name can now be uploaded to MTA (Android)
- “testLocations” array entry corrected for Northbound CDM OptiTrak test results

**Version ID : 222950**

**Release date : July 22, 2022**

- Boot 10.81.1
- Linux Kernel 25.1.0
- File System 23.0.7
- Instrument Setup 22.52
- Microscope 22.52
- Fiber Optics 22.52

## **Mainframe / Base Unit**

### New Feature/Product Improvement

- Integration of password protection at turn up (optional feature)

## **OptiTrak Application**

### New Features/Product Improvement

- Job Id's number of characters increased to 20
- Tsr files format changed into .sor

### Problem correction

- Test algorithm improvement with better fiber end detection (“Splitter towards ONT” & “ONT towards Splitter” test types)

## **Test Process Automation (TPA)**

### New Features/Product Improvement

- P5000i Inspection Probe asset management in StrataSync
- Job Manager application now available (optional feature)
- In Optimeter/StrataSync menu, Default “Upload from” field now set to “Disk”

### Problems correction

- Synchronization of OptiTrak’s files to StrataSync via VIAVI Mobile Tech App (MTA) now working
- Files with a space in the name can now be uploaded to MTA (iOS only)
- In MTA, Optimeter’s “Disk” only is now displayed



**Version ID : 220740**

**Release date : Feb 17, 2022**

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|--------------------|---------|
| - Boot             | 10.81   |
| - Linux Kernel     | 21.8.2  |
| - File System      | 21.10.2 |
| - Instrument Setup | 22.02   |
| - Microscope       | 22.02   |
| - Fiber Optics     | 22.02   |

## OptiTrak Application

### New Features/Product Improvement

- Distance unit now displayed on link view
- Addition of Standards in Pass/Fail Link alarm thresholds settings
- Addition of new diagnostic messages including corrective actions when Loss and/or ORL values fail (Contextual Help)

### Problem correction

- New Min/Max Launch Cable distance (Min = 20m/ Max = 2000m)

**Version ID : 214750**

**Release date: November 26, 2021**

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|--------------------|---------|
| - Boot             | 10.80   |
| - Linux Kernel     | 21.8.2  |
| - File System      | 21.9.11 |
| - Instrument Setup | 21.62   |
| - Microscope       | 21.62   |
| - Fiber Optics     | 21.62   |

## **Mainframe / Base Unit**

### Problem corrections

- Home page text overlap in Portuguese language

## **OptiTrak Application**

### Problem corrections

- Power level results displayed now follows wavelength test setup
- 12h time format: New auto-filename convention based on 12h am/pm format.

**Version ID : 214050**

**Release date: October 8, 2021**

- Boot 10.80
- Linux Kernel 21.8.2
- File System 21.9.2
- Instrument Setup 21.50
- Microscope 21.50
- Fiber Optics 21.50

## **Mainframe / Base Unit**

### Improvement

- Translation updates (French and Italian)

## **OptiTrak Application**

### User Interface Changes

- New “Optimeter Connector” icon, event type and details.
- New fiber launch cable indication (2 loops) in link view.
- New “First Connector” icon, event type and details.
- Updated pop-up messages when:
  - No fiber connected to instrument
  - No fiber connected to launch cable
- Removal of G-PON/XGS-PON terminology in power measurement to be more generic

### Settings Changes

- Ability to select 0, 1 or 2 wavelengths for power measurement (was always 2)
- Addition of Link Loss & Link ORL Alarms
- Global Pass/Fail Info (include power measurement + Link mapping info) now optional

### New Features/Product Improvement

- Test algorithm improvement to support more FTTH architectures (up to 1x32 PON splitter type)
- Addition of a new mode to test any point-to-point fiber links from 20m up to 60km

## **Test Process Automation (TPA)**

### Improvement

- Now possible to select the directory to sync with StrataSync

### Problem correction

- Factory sync of purchase order number and date