

Optimeter

Latest Version

Version ID : 25.4.7

Release date : 2025-07-02

Application	Version	Date
File System	23.17.2	2025/07/01
Boot	10.87.2	2025/05/23
Fiber Optics	25.4.7	2025/07/01
Instrument Setup	25.4.7	2025/06/05
Linux Kernel	25.14.1	2025/07/01
Microscope	25.4.7	2025/01/13

OptiTrak Application

Enhancements

- Point-to-Point Mode: Improved detection and analysis in challenging P2P scenarios (fiber links with severe bends or highly reflective elements). Can now also identify macrobends with losses up to 8 dB.

Test Process Automation (TPA)

Enhancement:

- Job Manager: Improves handling of large number of jobs (100+)



Previous Versions History

Version ID : 24.4.21

Release date : 2024-12-18

Application	Version	Date
File System	23.13.21	2024/12/18
Boot	10.86.3	2024/11/18
Fiber Optics	24.4.21	2024/12/18
Instrument Setup	24.4.21	2024/11/26
Linux Kernel	25.12.2	2024/07/10
Microscope	24.4.21	2024/08/20

OptiTrak Application

New Feature:

- SFP Protect Option (ESFPPROTECT): This feature ensures that no SFP will be shut down while troubleshooting or verifying a potentially live link with the Optimeter. Available in Point-to-Point and Real Time test modes (Real Time is available with OptiTrakPLUS option)



Version ID : 24.4.14

Release date : 2024-09-24

Application	Version	Date
File System	23.13.14	2024/09/23
Boot	10.86.1	2024/07/10
Fiber Optics	24.4.14	2024/09/23
Instrument Setup	24.4.14	2024/09/19
Linux Kernel	25.12.2	2024/07/10
Microscope	24.4.14	2024/06/11

Test Process Automation (TPA)

Enhancement

- Remote display support in VIAVI Mobile Tech App (VMT) in local mode now available



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



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

- 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)

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

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|--------------------|---------|
| - 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)

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 1st, 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

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|---|------------------|---------|
| - | 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