

Optimeter

Latest version

Version ID : 241140

Release date : March 18, 2024

Application	Version	Date
Microscope	V24.00	2024/03/13
Instrument Setup	V24.00	2024/03/13
Fiber Optics	V24.00	2024/03/14
Boot	v10.85	2023/12/26
Linux Kernel	v25.9	2024/03/12
File System	V23.7.1	2024/03/12

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

Previous Versions History

Version ID : 234930

Release date : December 06, 2023

Application	Version	Date
Microscope	V23.68	2023/12/06
Instrument Setup	V23.68	2023/12/06
Fiber Optics	V23.68	2023/12/06
Boot	10.84.0	2023/08/11
Linux Kernel	25.6.2	2023/09/22
File System	23.4.7	2023/12/06

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 7th, 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 Software Option (payable option): Ability to display OTDR Trace and Perform Real Time OTDR Measurement within OptiTrak application.
- OptiTRAKPLUS Software Option (payable option): Ability to Start/Stop 2KHz tone generator within OptiTrak application (Only available for products manufactured after Oct 1st, 2022)

Microscope Application - Supports VIAVI P5000i and FiberChek probe microscopes

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) / Job Manager

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

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

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

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

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

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