SmartClass Fiber (SCF) - OLP-87_release_history - # 145 OLx-8x release history

Updating the existing device software:

The latest version of the software can be downloaded from the internet **To**

find the latest software version:

1. Visit the Viavi web site at http://updatemyunit.net

2. Select "SmartClass Fiber Products"

3. Open the download area and download the latest software

4. Start the downloaded exe-file and save the unzipped 5 individual files to the root of an USB flash drive

To downloaded the latest version of software:

- Make sure the instrument is fully charged or the PS4 Universal AC/DC Power Supply is connected.

- Make sure the instrument is switched off and not in hybernate mode.

1. Press and hold down the **'MENU'** key.

2. Press the **'ON'** key to switch the instrument on.

- The software update screen appears.

3. Release the **'MENU'** key.

4. Plug the USB flash drive into one of the instruments USB ports.

5. To start the software update procedure, press the center key within the arrow keys.

- Once the update procedure is complete, the instrument will reboot and finalize the update.

6. Remove the USB Flash drive.

7. After Installation please execute a set to Factory Default in "System Settings" Menu and do a complete restart.

Therefor please press power button >2sec. and select "Shutdown" and restart the device again

Remark: When updating a device from a software version prior to V01.12, the USB flash drive is limited to a **maximum** capacity of

2GB

- The **USB stick** must be formatted in **FAT32**, no 2GB limit.

Caution! Do not power off the device while updating.

V03.02.004

Released on: April/08/2024

Features

- TPA Support for MPOLX and OLTS-85
- Export CDM files to USB thumbdrive - Deploy TPA Jobs from
  ReportPro

V03.00.04

Released on: September/12/2024

Bugfixes

- MPOLX

TAC Case 152423: Bug with slowing down measurement after 200+ results fixed

V03.00.02

Released on: June/18/2024

Improvements

- MPOLx

Test for 8 Fibers (missing middle 4 fibers) implemented.

Remove TIA 568.3 and add TIA-568.3-E standard for TIER1 Test

Enable Referencing with unconnected center 4 fibers missing

Capability to disable Referencing Wizzard

- OLTS

Add TIA-568.3-E standard for TIER1 Test

New Wizzard for VSFF cables on with 1-Cord Reference

Show Referencing raw values

Capability to disable Referencing Wizzard

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- General

Bluetooth and Wifi Options are now shown to be always installed

Bugfixes

- General

Setting of static IP address on Ethernet fixed

.

- MPOLX

Bug with wrong measurement values after Standby was fixed

V02.22.10

Released on: Oct/20/2023

Improvements

- OLP-88 G-PON/XGS-PON

Only relevant information is displayed now

XGS-PON ODN classes available. New ODN Class D available for XGS-PON.

Bugfixes

- OLP-88 XGS-PON:

850nm and 1300nm wavelength were mixed up in Threshold settings

Corrected Wavelength in OLP-88 XGS-PON detail view only ODN classes

selectable for either G-PON or XGS-PON

V02.22.02

Released on: Feb/21/2023

Bugfixes

- OLTS-85:

Wrong Length Measurement on fibers >30km fixed

V02.22.01

Released on: May/06/2022

Bugfixes

- general:

MobileTech connectivity issue via Bluetooth fixed

V02.22.00

Released on: Apr/13/2022

Improvements

- general:

Operator Name can be set in System Settings and is stored in every result file

Navigation now possible with buttons on Workflow Homepage

Workflow Label List is positioned on entrance on active Label

Workflow Label List's active Label is marked bold

Remove Test Profiles Viewer

Don't allow FiberMap saving

Wifi and Bluetooth connectivity can now be used without Software Option

Reboot is offered after Reset which should be executed

09/12/2024 2/16

- OLTS-85: New Standard Limits for OLTS Loss/Length measurement ISO/IEC 14763-3:2014 and ISO/IEC 14763-3:2019

- OLP-87: XGPONmeter is now called XGS-PONmeter. Adapt to standard change of 1578nm to 1577nm

Bugfixes

- general:

Title Text in some older measurement applications was disrupted

Delete storage result index when project is deleted

Wifi Icon was not shown in some apps correctly

Measurement storage view in inspection app had an issue with display of test profile name also column was not wide enough

Measurement applications could been unresponsive in some cases when a list menu was

empty OLTS-85:

- Switching sound on after sound was switched of didnt work for applications that play a sound while measuring.

V02.20.06

Released on: Jan/18/2022

Improvements

- general: Disable special characters input for FiberID that J-Reporter cant handle /:*?\"<>| - For

OLP-87 NGPON2 the standard setting was changed from THz to wavelength in nm.

Bugfixes

OLP-87 NG-PON2:

- UI now shows upstream wavelength range and not only expected wavelength.

Also the Downstream channels are now named ch1 to chx and not OLT 1 to OLT x.

V02.20.04

Released on: Dec/17/2021

Bugfixes

MPOLP-85, MPOLP-85P, MPOLS-8x, MPOLS-8xP, OLTS-85, OLTS-85P:

- Labels with leading or trailing spaces were not shown when reading the label list

V02.20.03

Released on: Dec/09/2021

Bugfixes

MPOLS-85:

- Change of Output Power Level at 1550nm after Standby

V02.20.00

Released on: Nov/17/2021 **Features/Refinements:**

OLTS-85 and MPOLP-85:

- Create Workflow Project with Labellists through J-Reporter. Also possible from csv file imported by J-Reporter

- Support for IEC 61280-4-5 with MPOLS-84/85 and MPOLP-85. Limits are calculated according to the given parameters.

- Display of the currently selected test in Labellist was not visible very well

Bugfixes

09/12/2024 3/16 OLTS-85:

- potentially wrong Wavelengths were displayed in inactive Test Configurations Fiber Loss coefficient

- Scrolling to the top or bottom and beyound was almost unusable with bigger list views (Labellist, Project List,..)

- Scrolling in Labellist never show the expanded Labels test in the view - BiDi measurement: Device

  had to be restarted if testing was executed too fast.

MPOLP-85/MPOLS-85:

- Scrolling to the top or bottom and beyound was almost unusable with bigger list views (Labellist, Project List,..)

- Scrolling in Labellist never show the expanded Labels test in the view MPOLS-85:

- wrong margins were displayed for single channels on MPOLS with new calculated limits All SCF

  Devices

- Status Bar Text was Flickering upon entering Application GUIs

V02.18.03

Released on: Mar/30/2021 **Features/Refinements:**

OLP-88S:

- WiFi Connectivity issue with DTAG SAA fixed

V02.18.00

Released on: Dec/22/2020 **Features/Refinements:**

MPOLx:

- Temporary Communication Issues fixed

- Hint for new Reference Enforcement after 24 Hours implemented OLP-88:

- Wrong wavelength indication in XGSPON detailed view fixed OLTS-85:

- Choice between Reference- and Standard Grade Connectors available

- Hint for new Reference Enforcement after 24 Hours implemented

- Support Addendum TIA-568.3-D-1 standard in TIER1 General:

- Support of Italian Language

V02.16.00

Released on: Aug/18/2020 **Features/Refinements:**

OLP-85:

-         Indication of InService Loss Test ON/OFF MPOLx:

-         Limits for Reference Quality Check are adapted depending on reference method (1 cord, 2 cord, 3cord)

-         Fix in Detail View of Reference Quality Check: Power Levels in in Detail View are now displayed in correct colors

-         LED/Laser of MPOLS-84/85 could not always be switched ON and Off with the "Center

Key" - Enlarging Reference Check Levels OLP-88S:

-         Invalid Settings on OLP-88S were removed OLTS-85:

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- TRC Length was incorrectly calculated when the device was set to feet insted of meter General:

- SmartAccess Anywhere Packages can only be installed on OLP-88

V02.14.04

Released on: May/18/2020 **Features/Refinements:**

OLP-87:

- Fix for S/W crash during Reference value setting MPOLx:

- Fix for mixed up Limits with 850/1300nm

V02.14.03

Released on: May/11/2020 **Features/Refinements:**

OLTS-85:

- Wrong Fiber Length calculation with Length unit setting to feet was fixed.

MPOLx:

- Even after a good reference prpocedure the MPOLx device has shown an issue with TRC-1.

- Shortened Connection establishment when more than 1.000 results are saved. **V02.14.02** not

  released!

V02.14.01

Released on: March/16/2020 **Features/Refinements:**

OLTS-85:

- Under "Test Configuration --> Cable & Connector Settings", a customized cable couldn't be selected

  once the device was turned off and on again.

MPOLx

- improvements to set-reference wizard

V02.14.00

Released on: February/28/2020 **Features/Refinements:**

MPOLX-85:

- New Fibermap Application on MPOLS-8x and MPOLP-85

- Further Improvements of Loss measurement accuracy due to compensation of singlemode PDL

SmartClass Fiber Workflow:

- Deleting of Cable Sets enabled

- Removing leading and subsequent blanks in project names

V02.12.03

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Released on: December/10/2019 **Features/Refinements:**

MPOLP-85:

- Improved compensation of polarisation effects for single mode fiber

V02.12.02

- Obsolete

V02.12.01

Released on: August/28/2019 **Refinements:**

OLP-88:

- Typo and GUI Layout Issue fixed under French Language setting

V02.12.00

Released on: August/21/2019 **Features/Refinements:**

Overall:

- Connectivity with SmartAccess application

- Management of SmartAccess packages OLP-88:

- Improved input protection for 1490 nm

MPOLx:

- Test Reference Cord length handling

- Improved length measurement

- Improved Memory Management and Usability for Projects with a large amount of stored data

- New Multi Mode cable type OM5 OLTS Loss/Length:

- Test Reference Cord length handling.

Fixes:

General:

- Removed 'Copy Project' for Workflow Projects MPOLx:

- Bug Fix for Connection Loss in case of large amount of stored data OLP-88:

- Video wavelength (1550 nm) is now available on overview screen

V02.10.00

Released on: Mai/15/2019 **Features/Refinements:**

XGS-PON support for OLP-88 in combination with option "Add XGS-PON Wavelengths 2327/94.04"

V02.08.02

Released on: Mar/25/2019 **Fixes:**

Compatability to devices with laser sources on Hardware Version: 2315-7001

How to show HW Version ===> In homescreen press **HELP** button ===> Then press **Device Info**

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V02.08.01

Released on: Jan/08/2019

Features/Refinements: Support of

Portuguese language **Fixes:**

Length measurement showed allways 0.0ft/m

V02.08.00

Released on: Nov/28/2018 **Features/Refinements:**

Overall:

- Improved Memory Management and Usability for Projects with a large
  amount of stored data

- Data Export function extended for SmartReporter - Added Chinese Language.

  - Added Portuguese Language MPOLx:

- PSM4 Limit added for SM MPO measurement **Fixes:**

General:

- Bug Fix for Length Limit Import of CertiFi MPO Test Configurations

V02.06.04

Released on: Aug/09/2018 **Fixes:**

MPOLx:

- Strong Temperature dependency for length measurement on multimode fibers

V02.06.03

Released on: Aug/06/2018 **Fixes:**

MPOLx:

- Improved communication stability

V02.06.02

Released on: Jul/30/2018 **Fixes:**

MPOLS:

- Fixed wrong temperatur measurement

V02.06.01

Released on: Jul/17/2018 **Fixes:**

MPOLx:

- Fixed occasional connection issue

V02.06.00

09/12/2024 7/16 Released

on: Jul/16/2018

Features/Refinements:

General:

- Screenshot shortcut (long press of workflow and save button) and export to USB drive - Updated translations. Added Japanese (ja_JP) translation.

- Updated application icons

- Multiple user interface enhancements OLTS Loss/Length:

- Mixed operation of PCM and non-PCM versions MPOLx:

- Loss deviation verification for individual fibers after referencing

- Improved referencing sequence with animations

- Support of MPO-12 4x4 cables (where center 4 fibers are not present). **HW Revision 005 or higher required!**

- New setup :TIER1MFR:SENS:POW:REF:LIST. Returns a sorted list (depending on the polarity) of reference power values

- Mixed operation of PCM and non-PCM versions

- Certifi support TruePON:

- Increased processing speed for multiple ONT activation **Fixes:**

General:

- Bluetooth still discoverable even when disabled

- USB flash drive issue while disconnecting when 2 drives are attached TruePON:

- Fixed ONT serial number detection issue with FiberHome OLTs

V02.04.04

Released on: May/16/2018

Features/Refinements:

OLTS Loss/Length:

-        Measurements can be performed now with a mixture of PCM and non-PCM Versions of OLTS Testers

MPO Loss/Length:

-        Measurements can be performed now with a mixture of PCM and non-PCM Versions of MPO Testers

Known bugs

On single mode sender devices (MPOLS-85) the output level can be 3dB lower than shown on the display

V02.04.03

Released on: April/10/2018 **Features/Refinements:**

General:

- Added showing Bluetooth PIN in Bluetooth Settings Menu

- Fixed back key issue in input dialog OLTS Loss/Length:

- Added cancelling the Swap Cables state by pressing the back key

- Refined pairing error messages so one can better see if the error is due to non-matching instruments or different software versions - Improved repeatability of length measurement

- Fixed issue with calculation of margin limits

- Fixed missing bi-directional result display in measurement data

- Fixed issue with different cable losses in bi-directional measurements

- Fixed various issues in test procedure that caused test errors/aborts MPO Loss/Length:

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- Added support of MPO-8 connectors (Center-8 and 4x4) Microscope/PCM:

- Fixed issue with light overexposuring

Known bugs

On single mode sender devices (MPOLS-85) the output level can be 3dB lower than shown on the display

V02.04

Released on: February/16/2018 **Features/Refinements:**

- MPOLx and OLTS devices: wlan and bluetooth options are integrated by default.

- All: Added input for static ethernet settings.

- All: Added auto-increment feature for fiber index.

- Microscope/PCM: Removed obsolete default Test Profiles

- MPO Powermeter: Added warning when active wavelength is different from reference wavelength.

- MPO Powermeter: Recall the previously selected channel when switching back from table to bargraph view.

Fixes:

- All: Wrong measurement numbers in test results list.

- All: Fixed various typos.

- OLTS Loss/Length: Fixed various connection/communication issues between local and remote devices.

- PCM: Changed wrong status message "PCM not connected" with "PCM is initializing"

- LaserSource: Wrong power limits in level adjustment screen when changing between CW and modulated signals.

- MPO Powermeter: Fixed refreshing issue in bargraph view.

Known bugs

- Calibration of touch screen becomes effective only after a restart

- MPOLS-85 level fluctuations of +/-0.1dB

V02.02.07

Released on: December/22/2017 **Features:**

- Bluetooth and wifi options equipped as standard on MPOLx and OLTS **Fixes:**

- Improvement of measurement accuracy (length/loss) on OLTS

- Improvement of bluetooth and wifi connectivity

- randomly false LOSS measurements displayed on MPOLx

- battery deep discharge

Known bugs

- AC adaptor plugged in, no accu and device is switched off => after hours the device will not start up when pressing power ON key.

This happens also with dry cell battery and AC adaptor plugged in.

solution => unplug and plug in the AC adaptor => now power ON again

V02.02.06

Released on: November/23/2017 **Fixes:**

- On MPOLx length measurement with multi mode sender was uncertain

V02.02.05

Released on: November/08/2017 **Fixes:**

- USB interfaces are switched off during SCF device startup to prevent device from over current caused by external plugged devices

- New MCU firmware for more accuracy in MPOLP power measurement

- Some minor fixes

V02.02.04

Released on: October/23/2017

09/12/2024 9/16 **Features:**

- Support for NGPON2

V02.02.03

Released on: October/16/2017 **Fixes:**

- Output value for laser source ist now adjustable during calibration (not for customer use)

V02.02.02

Released on: October/09/2017 **Fixes:**

- After suspend/resume (short POWER off) MPOLx Source/Powermeter did not work again

V02.02.01

Released on: October/12/2017

- Only for internal use

V02.02.00

Released on: September/28/2017 **Features:**

- New MPOLx Source application

- New MPOLx Powermeter application

- Ported OLTS L/L application to V2UI

- Ported SOURCE application to V2UI

- Added enabling/disabling unsaved result warning to MPOLx L/L

- Added Activation Button to project, test profile, test configuration lists

- Added Tab View key navigation (up/down arrow keys)

- Added List View wrap around for key navigation

- Added List View auto repeat functionality for key navigation

- Added Application loading spinner **Fixes:**

- Changed remote control return value for array results from 0,0,0,... to 9.91E37 (NaN)

V02.00.07

Released on: August/30/2017 **Fixes:**

- Changes for TIA Input recognition, mult imode needs higher offset avoiding failed channel detection

- New MCU firmware update method, update if firmware on mcu != local mcu firmware stored on i.mx system => take highest from i.mx

V02.00.06

Released on: August/17/2017 **Fixes:**

- Application didn't start up after short pressing ON/OFF (sleep mode)

V02.00.05

Released on: July/20/2017 **Fixes:**

-
  Various fixes in MPOLx-85 Loss/Length application.

V02.00.04

Released on: July/17/2017

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Fixes:

- Occasional serious error after updating instruments.

V02.00.03

Released on: July/12/2017 **Fixes:**

- Issue with manufacturing remote command

V02.00.02

Released on: July/05/2017 **Fixes:**

- OLTS-85 Loss/Length: Fixed issue in length measurement.

- MPOLx Loss/Length: Fixed channel switching issue.

- MPOLx Loss/Length: Fixed communication issue.

V02.00.01

Released on: June/01/2017 **Fixes:**

- SW update issue

V02.00.00

Released on: May/22/2017 This

release provides:

- **Changed port number from 5800 to 8000 due to compatibility reasons with other VIAVI devices**

- New color scheme for Homescreen and several Menues

- Differentiation of Test Tool Projects and Workflow Projects for "CertiFi Cloud Application"
  (CertiFi supports only OLTS-85)

- Support of WiFi Ad-Hoc Mode

- Support of Bluetooth Interface

- Support of new Applications MPOLS-85 and MPOLP-85

- Fast discharge of dry batteries fixed

  Status Bar in Inspection App removed

- Improved OLTS Connectivity Procedure

-

- OLTS Tier1 Application was renamed to Loss/Length

- OLTS-85 reference value is assigned to the Remote Serial #

- Delete Results and Projects on OLTS Remote enabled

- Various Bugfixes and Improvements

V01.28.05

Released on: November/09/2016 This

release provides:

- Correct indication of cable length in feet

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- Improved battery charging in standby mode

- Improved connectivity of Local and Remote for OLTS-85

V01.29.90 (2327,2328 | OLP-88 only)

Released on: September/20/2016 This

release provides:

TruePON application:

- French translation

V01.28.03

Released on: August/08/2016 This

release provides:

- Info dialog box with "Negativ Loss" resultes

*Bugfixes

- wrong "Multi Mode" length measurement

V01.29.18 (2327,2328 | OLP-88 only)

Released on: June/16/2016 This

release provides:

TruePON application:

- Detection of deactivated ONU/ONTs

- Detection of disabled ONU/ONTs

- Detection of OLT type

  Detection of ONU/ONT type

-

- PON-ID format selection (ASCII or hexadecimal)

- Access measurement detail screens via on-screen menu

- Redesigned measurement data detail views

- Added power level to summary view

- Added wavelength in power level detail views

- Various minor GUI improvements

V01.28.01

Released on: June/16/2016 This

release provides:

Added Loss Application to OLTS-85 / OLTS-85P

*Bugfixes

- Storing of TIER1 Results

V01.28.00 Released on:

Mar/09/2016 This release

provides:

Improvements to all OLx devices:

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- Migration to the new viavi branding

- Improved project management

- Improved save usability across all applications **OLTS-85:**

- Picture import from remote OLTS-85 to local OLTS-85 **OLP-88:**

- New OLT type detection feature

- New Demo Screens view

- Enhanced Pass/Fail setting capabilities

- Improved detail views

- Various minor GUI improvements

V01.26.01

Released on: Dec/17/2015

This release provides:

- Software for the new OLP-88

- Bugfixes

- If one pressed ON/OFF switch very quick and often, the device hang.

To get the device working again it was neccessary to pull out battery an switch of ac adaptor

V01.24.03

Released on: Nov/27/2015 This

release provides:

- Software for the new OLTS-85x

- Bugfixes

- Memory leaks in microscope part

V01.22.04

Released on:

This release provides:

- Incorrect storing and deleting of measurement and microscope data when

using comma, dots in file names

V01.22.00

Released on:

This release provides:

- In-Service Measurement Option for Powermeter (In-Service Loss Test 2307/94.01)

- Manual and Device Info were moved from System Settings to Help menu on Homescreen

- USB stick detection and data export to USB stick (CSV format)

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- New Remote Control Format for Strings that contain commas

- OnScreenMenu indicator

- Ethernet support improved

- Bugfixes

- Device hangs when a key (other than power key) is pressed while device is switched off (not hard off) => corrected - AM/PM Time format corrected

- Minor bug fixes and improvements

V01.20.00

Released on: June/18/2014

This release supports the following OLx - Devices (also with PCM-Camera): OLP-87, OLP85, OLS-85, OLT-85, ORL-85 This release provides:

- New long time supported (LTS) linux kernel V03.10.26

- Remote control over ethernet

- the new "optical loss test" device OLT-85 and "optical return Loss" device ORL-85

- QWERTY keyboard

- manual for OLT-85 and OLS-85

- Bugfixes

-Setting time and date format only had an effect after a project change

-Minor bug fixes and improvements -

Known issues:

When turning the device on and it's starting up from cold boot, the ethernet starts with 'DHCP' on.

Even if 'STATIC' was selected and the setting screen shows 'STATIC'.

If you want to work in 'STATIC' mode please switch to 'DHCP' and back to 'STATIC'

V01.18.01

Released on: Feb/05/2014

This release supports the following OLx - Devices (also with PCM-Camera): OLP-87, OLP85, OLS-85 Attention:

- Because of reorganizing the internal data storage all your stored measurment data/pictures will be lost.

- Before updating to this new software version, please save you internal stored measurement data and pictures This release provides:

- Device Manual on Device

- Reporting Generation/Reading on Device with USB Stick export

- Better User Experience when navigating back through menus

- System wide application of Date and Time format: measurement Data, reports etc.

- Some refinements and minor bugfixes

Issues:

While operating the device remote controlled via USB, please connect external power supply.

Or switch "Auto-Off" to never, to prevent from switching to standby mode.

V01.14

09/12/2024 14/16 Released

on: Aug/01/2013 This

release provides:

- Ethernet operation

- Ethernet remote control

- Pass/Fail functionality on powermeter

- Patch Cord Microscope (PCM) on OLP-87P

- GUI improvements

- Some refinements and minor bugfixes

V01.12

Released on: APR/09/2013

- This release provides XGPON capability to OLP-87 devices with max. 5 wavelength.

It also supports broadband measurement on the same device

- Support of software optioning

- Software update with USB stick > 2GByte

- Image panning possible in microscope application

- Improved speed

- Improved input checks

- Refinement of usability

- Some bugfixes

V01.10

Released on: DEC/12/2012 **Description:**

This release provides broadband capability to OLP-87 devices with two wavelength PONmeter

It also provides fixed minor issues and some beautifications for the GUI

V01.08

Released on: OCT/30/2012

Description:

This release provides some fixed issues and minor enhancements for the GUI **Fixed**

issues:

PLATFORM:

- Microscope application chrashed after 30 minutes

- Camera adjustment was lost after switching power off and on again

- Touch screen misses events occasionally

- Low Battery LED was not working properly

- memory leak in remote application **New features and improvements:**

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- autoincrement for FiberID when saving measurements

V01.06

Released on: SEP/21/2012 **Description:**

This release provides a major GUI redesign which improves user interaction and readability.

Furthermore some issues are fixed.

New features and improvements:

- Redesign of the GUI **Fixed issues:**

PLATFORM:

- The Homescreen crashed when the DATA icon was pressed after a certain time

- The device may have shutted down if the touchscreen was pressed intensly **Known**

  Issues:

PLATFORM:

- The device wakes up from Standby if the touchscreen is pressed MICROSCOPE:

- On devices that get updated additional profiles that shouldn't be available on the camera are available

V01.04

Released on: AUG/21/2012

Description:

Maintenance release with minor bug fixes.

V01.00 Released on:

AUG/15/2012 **Description:**

FCS release.

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