

VIAVI

OneExpert CATV

Enhancements – Full-Scan, Full-Frequency SmartID, Smart Channel Wizard, HomeTDR

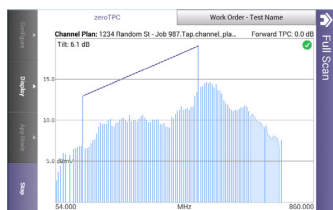
The OneExpert CATV is a powerful test instrument platform for verifying and troubleshooting cable networks from the headend/hub to the home.

The most advanced cable field meter, OneExpert CATV, is now equipped with even more advanced testing. New features in release 3.6 firmware support headend and plant maintenance, home and drop testing, and simpler WiFi optimization tests.

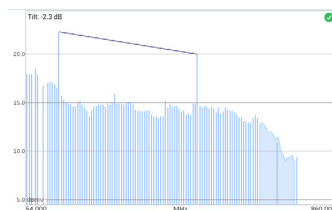
Headend and Plant Maintenance

QuickCheck Full-Scan

Plant maintenance and headend techs now have a quick way to measure and verify all channel levels utilizing a known channel lineup. The Full Scan measurement allows users to easily verify that all channels are present, as compared to a previously stored channel plan, including a two channel tilt measurement for aligning active devices. Out of limit or missing channels are indicated in red, making it quick and easy to see if there are any power level issues on all channels tested.



QuickCheck Full-Scan is displayed in landscape mode



Full screen display

The QuickCheck Expert mode provides a fast and continuously updating Full Scan in landscape mode that can be switched to full screen with a "double tap."

Features

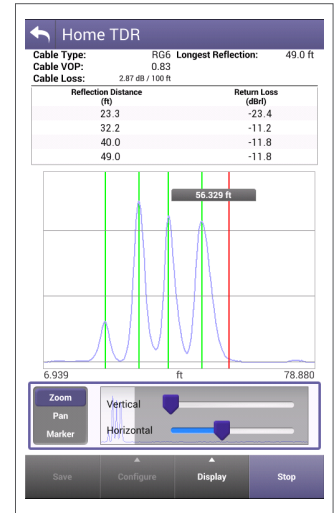
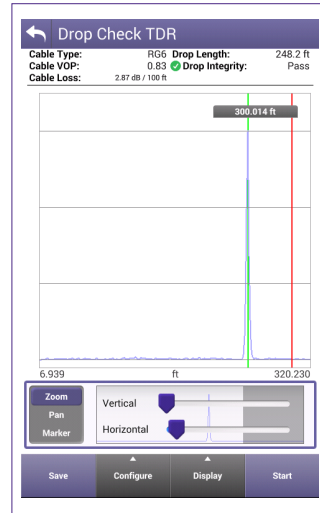
- Quick view of full channel range with QuickCheck Full Scan mode identifying problems
- Simple headend/hub or home network sweep with SmartID sweeping to 1.6 GHz
- Easy home network troubleshooting and cable length tests with HomeTDR, including a continuously updating test
- Powerful home WiFi network optimization and troubleshooting with a simplified user interface in WiFi Advisor Smart Channel Wizard



Home and Drop Testing

HomeTDR

The HomeTDR Time Domain Reflectometer option is available on all ONX models, and is used to measure cable lengths, and locate home network components or impairments. Validate drop quality and length with “Drop Check” mode. Cable length mode is used to measure length of cable left on a spool. The “HomeTDR” mode tests the premises network and allows the tech to evaluate expected and unexpected reflections. The continuously updated TDR allows the tech to look for instantaneous changes in the trace while adjusting the home network. The Velocity of Propagation can be selected from a list of common cable types, or a custom VOP can be configured.



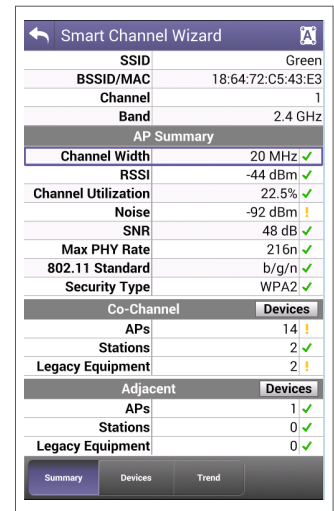
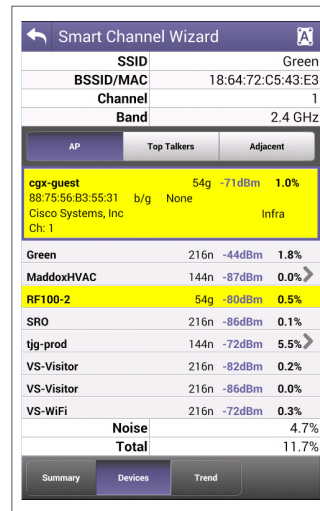
Full-Frequency SmartID

SmartID support has been enhanced to enable usage of the full 1.6 GHz frequency range for performance verification and troubleshooting in two-ended tests. The devices can be used to test premises coax wiring and locate splitters or impairments. The results are intuitively displayed in a frequency response graph, qualification summary, and details for each path tested, including an ingress analysis result for each probe.

WiFi Optimization

WiFi Advisor Smart Channel Wizard

Now available in the OneExpert CATV, a technician using a single WFED-300AC device can quickly visualize, optimize, and troubleshoot WiFi networks using the Smart Channel Wizard and the complementary BSSID, channel, and spectral views. The SmartChannel Wizard summarizes the KPIs and the health of the selected BSSID and the channel in which it resides. The summary will help novice users and guide them to a resolution for each metric that is not optimal with practical optimization guidance. The Wizard sees beyond access point occupancies into the client detail of the entire customer network and the clients or any co-channel-sharing networks.



The best cable provider field instrument just got better! Be sure to contact your local VIAVI Solutions representative for a demonstration of these new features, and visit our [website](#) for more information about the versatile, powerful OneExpert CATV platform.



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To reach the VIAVI office nearest you, visit viavisolutions.com/contact

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