OPV XG Version 9.0 – Release Notes
October 2012

This document highlights the new features for the OPV XG 9.0 release which is comprised of the following components:
- OPV XG version 9.0 *(new)*
- Integrated ClearSight Analyzer (iCSA) version 7.3
- AirMagnet WiFi Analyzer PRO 10.0 *(new)*
- AirMagnet Survey Pro 8.2
- AirMagnet Spectrum XT 3.5.1 *(new)*

OPV XG v9.0 – This new OptiView XG release provides new features and enhancements.

New Features
- Network Navigator
  - Graphical "Network Navigator" provides an instant, navigable picture of network switches and connected devices.

- In-Line Packet Capture and Traffic Analysis
  - Internal in-line tap function provides both real-time traffic analysis and in-line capture at line-rate up to 1 Gbps between connected devices, eliminating the need for an additional external hardware tap. (1G RJ45, ports A and B.)

Enhancements
- Graphical Path Analysis - Path Analysis feature now provides graphical view of the path between a user and application resources (local, remote, or cloud-based) and visually indicates performance data or problems on critical links, with real time interface monitoring of the infrastructure devices.

- VRRP Support – Identify routers operating as a single virtual router using the Cisco Virtual Router Redundancy Protocol (VRRP). The OptiView XG indicates the Master and Standby routers as well as posting state change events.

- Cisco Virtual Switching System (VSS) Support – Identify Cisco Catalyst 6500 switches which are operating as a Virtual Switching System (VSS) cluster and indicate which interfaces are participating as Virtual Switch Link (VSL) and the Multi-chassis EtherChannel (MEC).

- Automated availability testing of default router.

- Discovery performance enhancements – Significantly decrease the time for network discovery.
- Display of user-defined interface descriptions in XG's discovery results as entered in the network device configuration

- Expansion of user-defined MTU from 9,000 to 10,000 bytes – provides the user the ability to define the packet size which would be considered an error, and the maximum size of packet for traffic generation and throughput testing.

Wi-Fi Analyzer v10.0 (WFA) and Spectrum XT v3.5.1 (SXT)

NOTE: OptiView owners with WFA and SXT (and current Gold Support) should go to https://airmagnet.flukenetworks.com/my_airmagnet/ to download updated software.

New Features
- **Remote analysis (WFA and SXT)**
  - Ability to connect remotely to some models of AirMagnet SmartEdge sensors for remote troubleshooting and analysis of WLAN traffic (802.11a/b/g/n), access points, clients, and interference levels and sources. Supported sensor models:

Sensor Model	Description
AM/A5200	AIRMAGNET SENSOR, A/B/G/N, EXTERNAL ANTENNA
AM/A5205	AIRMAGNET SENSOR, A/B/G/N, INTERNAL ANTENNA
AM/A5220	AIRMAGNET SPECTRUM SENSOR, A/B/G/N, EXTERNAL ANTENNA
AM/A5225	AIRMAGNET SPECTRUM SENSOR, A/B/G/N, INTERNAL ANTENNA

- **FFT Window Types (SXT)**
  - When FFT is computed from a signal sample which is non-periodic, an effect known as leakage causes errors in amplitude and/or frequency. Windowing functions are used to correct (or minimize) this problem. In the latest release, Spectrum XT offers user-selectable FFT Windows: Rectangular, Hamming, Hann and Blackman-Harris.
    - 1. Select Settings>Configure>Advanced tab.
    - 2. From the FFT Window Types drop-down menu, select the desired FFT Window Type.
    - 3. Click OK.

Enhancements (WFA)
- Compatibility with Intel 6300 and Atheros XB112 adapters; users can monitor and troubleshoot Wi-Fi devices that employ three spatial streams and deliver performance at data rates up to 450 Mbps.