

## Ixia Indigo Pro™



### **Management Platform for Physical and Virtual Implementations**

To cope with skyrocketing traffic levels and escalating security threats, today's networks employ sophisticated, pervasive monitoring capabilities. The resulting architecture incorporates dozens – or even hundreds – of taps and data monitoring switch devices, all integrated into a Monitoring Access Platform (MAP) within the network infrastructure. But along with the vital advantages of this architecture comes the challenge of managing these access devices.

Now, the Ixia Indigo Pro™ Platform has been enhanced to deliver even more high-performance and efficiency features. Indigo Pro offers robust, comprehensive management capabilities and lets you manage a range of wired, wireless and virtual device deployments. This versatile platform also allows growing networks to expand their management and planning capabilities to keep pace with increasing needs as devices are added. Indigo Pro eases configuration and monitoring of taps, virtual taps, data monitoring switches, and network controller switches – turning them all into a fully orchestrated and coordinated monitoring resource.

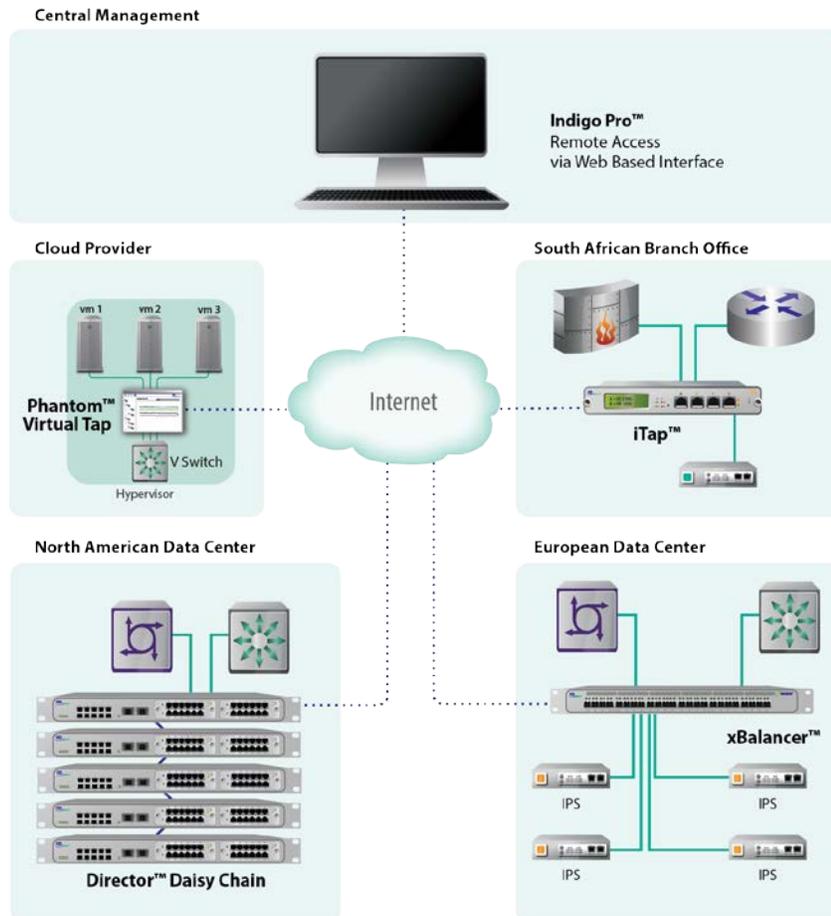


### **Key Features**

- Device management and configuration
- Rich graphical data visualization
- At-a-glance dashboard views
- Subnet-organized network topology map
- Snapshot and historical data views
- Audit trail
- Fault and event management
- Third-party device management
- Trap and email forwarding
- Business logic alerts
- Print and export to CSV files
- Improves network visibility and security threat management
- Monitors traffic levels and quality across the network
- Centralized access to data from large numbers of devices
- Compatible with Ixia Director, Ixia Director Pro, Ixia xBalancer, and Ixia Net Optics iTap devices
- Quick and simple deployment
- Expanded LDAP and TACACS+ authentication support
- Physical or Virtual appliance management: Support for Xen, VMware or other popular hypervisors
- High availability cross-form configuration: physical-physical, virtual-physical, and physical-virtual
- Extend management of Ixia xBalancer™, xStream™, Net Optics iBypass™, Net Tool Optimizer (NTO) and third-party devices

## Ixia Indigo Pro – Physical and Virtual Appliance Administration

Ixia Indigo Pro is delivered either as a physical appliance or as a virtual appliance in VMware or Xen-compatible format. As a software solution, Indigo Pro Manager is available at a significantly lower cost than the physical appliance. Deployment is amazingly simple too, because a fast, fully automated discovery process quickly identifies supported Ixia, Ixia Net Optics, and third-party devices throughout the network. Indigo Pro also checks continuously for devices added, removed, or taken offline. A dynamic network topology map instantly shows the “up” or “down” status of all supported devices. Clicking on a device object/icon drills down into detailed device status and configuration information, as well as the status of attached links.



### ***New Management and Security Features***

Ixia Indigo Pro offers a spectrum of new features to expand authentication support and more. Your management and administration duties will be easier than ever, thanks to enhanced network visibility and security, plus extended virtual support and more high availability features.

### ***Comprehensive Configuration Management***

The latest version of Indigo Pro takes scripting execution and management to new levels. Sophisticated configuration management means that you can now identify threshold-triggered events and actions. In addition, you can create and configure filters on any devices administered by Indigo Pro.

## ***Improved Data Visualization Throughout***

Ixia Indigo Pro gathers data in real time from Ixia traffic access devices, archives that data in a database for historical trend analysis, and then presents it in rich graphical formats through a web browser interface. Both IT and business users benefit from the efficiency, accuracy, and cost savings they realize by employing Indigo Pro to monitor network health and trouble spots. But it doesn't stop there: Indigo Pro is also a vital resource for growth, capacity planning, and compliance activities.

Indigo Pro's enriched capabilities include more visibility and presentation options, with an increased number of charts or dashboards per user—and users can now define their own views of interest. Indigo Pro will even remember and create a user-specific "home page" upon login to save time and offer up relevant data faster.

Traffic statistics displayed include bandwidth utilization, byte and packet counts, errors, and jumbo frames—all viewable on a device-by-device basis. In addition, a dashboard can be configured to confederate the data from multiple links and devices for an at-a-glance overview of network traffic activity.

## ***Security and User Management***

The Indigo Pro Platform delivers a total solution to all NMS security-related issues. All user actions are inspected and audited against a permissions profile and logged to an audit trail. The system's security is structured in three layers:

- Authenticated and encrypted sessions between the client web browsers and the server throughout a user's entire sessions
- User authentication by a login session based on a user name and password
- Role-based access control and device locking to ensure that a given user can perform certain actions on specific devices with read or write permissions. These are based on a global policy that meets the organization's compliance standards

Specifications	
Functional	<ul style="list-style-type: none"> <li>• Fast, automatic device discovery</li> <li>• Data visualization: snapshot and historical, utilization, total bytes, total packets, jumbo packets, CRC errors, dashboard views</li> <li>• Dashboard of up to 18 graphs</li> <li>• Security: profile-based permissions and views, comprehensive audit trail, and role-based access control</li> <li>• Network topology map, organized by subnet</li> <li>• Data export (print, export to CSV file)</li> <li>• Device management (device dependent): port settings, device system settings, device user accounts</li> <li>• Device-dependent event logging and fault management:</li> <li>• Scheduler for bulk device software upgrades</li> </ul>

Specifications	
Virtual Appliance (Optional)	<ul style="list-style-type: none"> <li>• VMware vSphere 4.x/5.x support</li> <li>• CentOS 6.2 (64-bit)</li> <li>• 30GB HDD</li> <li>• 3GB RAM</li> <li>• 1 vCPU</li> </ul>
Operating	<ul style="list-style-type: none"> <li>• Operating Temperature: 10°C to 35°C</li> <li>• Storage Temperature: -10°C to 70°C</li> <li>• Relative Humidity: 10% min, 90% max, non-condensing</li> </ul>
Mechanical	<ul style="list-style-type: none"> <li>• Dimensions: 1.75" high x 23.5" deep x 19" wide</li> <li>• Mounting: 19" rack mount (1U)</li> <li>• Weight: 26 lbs (11.8kg)</li> </ul>
Electrical Specifications	<ul style="list-style-type: none"> <li>• Power: 100-240 VAC, 47-63Hz 650W PFC</li> <li>• Redundancy: Dual modules</li> <li>• Maintenance: Power supplies are hot-swappable Indicators</li> <li>• Power, disk activity, network 1 activity, network 2 activity, over temperature warning</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• FCC, CE, VCCI, and C-Tick certified</li> <li>• Fully RoHS and WEEE compliant</li> </ul>
Supported Web Browsers	<ul style="list-style-type: none"> <li>• Internet Explorer, Firefox, Safari</li> <li>• Note: Java support must be enabled in the browser</li> </ul>
Supported Devices	<ul style="list-style-type: none"> <li>• Ixia Net Tool Optimizer (NTO)</li> <li>• Ixia GTP Session Controller</li> <li>• Ixia Director, Ixia Director Pro</li> <li>• Ixia xStream</li> <li>• Ixia xBalancer</li> <li>• Ixia Net Optics iTap 10 GigaBit Fiber Port Aggregator</li> <li>• Ixia Net Optics iTap GigaBit Fiber Port Aggregator</li> <li>• Ixia Net Optics iTap Triple-speed Fiber Port Aggregator</li> <li>• Ixia TradeView</li> </ul>



## Product Ordering Information

**IP-2050M**

Ixia Indigo Pro Manager, 50 nodes

**IP-2100M**

Ixia Indigo Pro Manager, 100 nodes

**IP-2250M**

Ixia Indigo Pro Manager, 250 nodes

**IP-2102M**

Ixia Indigo Pro Manager, 1,000 nodes

**IP-VA025M**

Ixia Indigo Pro Manager Virtual, 25 nodes

**IP-VA050M**

Ixia Indigo Pro Manager Virtual, 50 nodes

**IP-VA0100M**

Ixia Indigo Pro Manager Virtual, 100 nodes

**IP-VA0250M**

Ixia Indigo Pro Manager Virtual, 250 nodes

**IP-VA0500M**

Ixia Indigo Pro Manager Virtual, 500 nodes

All products include a 1-year manufacturer's warranty. A service plan with up to 7 years coverage and an advanced replacement option are available.