



# Fast and Efficient FTTx Troubleshooting for Multiple Groups in your Organization

## Powerful Diagnostics and Performance Metrics for Data, Voice and Video Service on your Fiber Network

### OLT Diagnostics Screen



View aggregated upstream and downstream statistics for your PON ports, color coded to show you which ports and services are experiencing the most issues. You can also see the status of each PON port and the devices on that port, including any alerts, the number of devices that are online, offline and ranging, and devices that are degraded or in an alarm state. Click to see a report of subscribers that are experiencing specific issues. You can also quickly see your downstream and upstream bandwidth utilization for each PON port, and drill in to view a report of individual subscribers and their bandwidth usage. From any report you can click to display the subscribers on a map, or click on a subscriber to view their ONT Diagnostics screen.

### ONT Diagnostics Screen



The ONT Diagnostics Screen is perfect for your Call Center staff and others in your organization who are troubleshooting individual subscriber issues. You can query a subscriber directly by their contact information or device information and see diagnostic data about their device, its transmit and receive levels, alarms, errors, and uptime. View detailed stats on all your data ports and drill in to plot historical performance metrics over time, from 24 hours to 90 days. In addition, you can view the status of any provisioned Voice and Video ports and services. A map on the screen shows you where the subscriber is located and nearby devices, and pins are color-coded to indicate any alert levels. You can even access the device's management interface on compatible CPE.

### Useful and User-Friendly

TruVizion's patented technology and user-friendly interface offers a full-featured OLT and ONT diagnostics platform that is highly intuitive and more powerful than other systems. Employees from your Call Center Reps and Maintenance Technicians, to your NOC Personnel and Engineers, will be able to leverage the information in TruVizion to more quickly and efficiently resolve ONT, OLT and fiber issues.

### A Single Pane of Glass

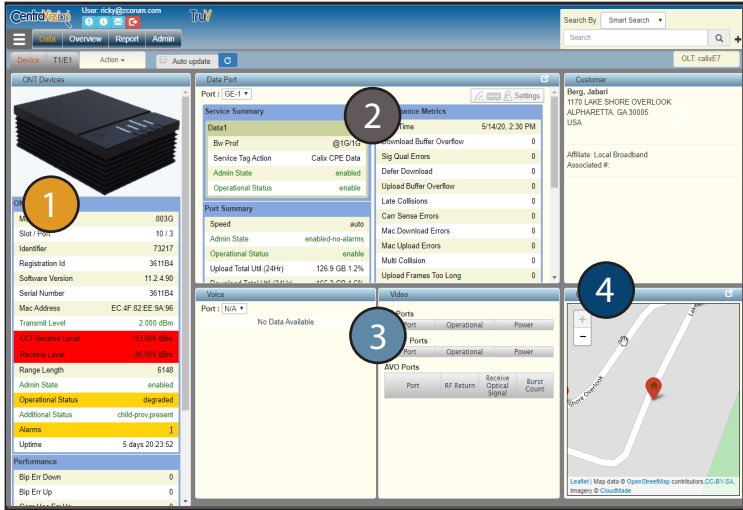
TruVizion consolidates key metrics you need to keep watch on your fiber equipment and network. You don't have to access multiple applications or drill through endless screens to find the information you need. TruVizion's unified interface will increase the efficiency of your Network and Customer Care teams, while lowering your operational costs. And, if you also support a DSL or DOCSIS network, TruVizion's cross-platform support will provide an even greater boost to your operational efficiency.

Contact Us

ZCorum  
4501 North Point Parkway, Suite 125  
Alpharetta, GA 30022  
1-800-909-9441

ZCorum.com  
Facebook.ZCorum.com  
Twitter.com/ZCorum

# ONT Diagnostics Screen



See optical levels, errors (BIP, GEM, Burst) and easily see any alarms for the ONT, color coded by alert level. Click to graph this data over time.

1

## ONT Device Panel

View optical levels, errors (BIP, GEM, Burst) and any alarms for the ONT, color coded by alert level. Click to graph this data over time.

2

## Data Port Panel

View status and performance metrics for all data ports, including: Upload and Download Transfer, Errors, and Packet Transfer. Click to plot the data over time (24 Hours to 90 Days).

3

## Voice and Video Ports

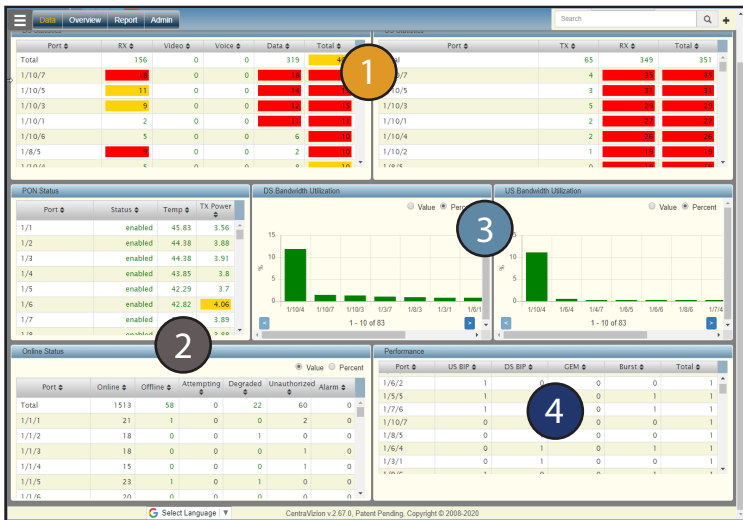
See details on your provisioned voice and video ports, including alerts for SIP registration errors, video port outages, and optical signal issues on the return path.

4

## Customer Information

View customer information, account #, and a map with nearby devices color coded by alert level. Expand the map and filter devices by Status (online, offline, degraded), and ONT Model.

# OLT Diagnostics Screen



See on one screen a summary of all of the problem ports and devices without having to analyze hundreds of alerts or clicking around to find issues in your fiber plant.

1

## DS and US Port Statistics

See which downstream and upstream ports are experiencing the most issues for receive and transmit levels, and those with the most alerts for data, video and voice. Click to list those devices with issues.

2

## PON and Online Status

View the temperature and transmit power of the laser from the Fiber SFP on the GPON OLT Port. See the device status for each PON port (online, offline, attempting, degraded and unauthorized).

3

## Bandwidth Utilization

See bandwidth use for each PON port by total amount and percent of usage. Click to see a report of each subscriber's upstream and downstream usage (current and the last 24 hours).

4

## PON Performance

See a summary of BIP, GEM and Burst errors, which can give you an indication of the fiber health (dirty fiber, kinks or bends). Drill in to see a list of subscribers experiencing issues due to connectivity problems.