

BENEFITS

- Reduced Network Downtime
- Affordable for Any Size Company
- No Constant Hardware Upgrades
- Painless for Network Staff

APPLICATIONS

- Identify Bandwidth Use and Abuse
- Monitor Network Performance
- Maintain Network Peak Performance

KEY FEATURES

- Network Visibility via NetFlow
- No Complex Configuration Required
- Fully-Operational in Minutes
- No Performance Degradation—Ever
- One Device Scales to Gigabit Speeds
- Industry's First Green Solution

ClearWidth Visualizer is a high-performance, low-cost network appliance that delivers network visibility. Visualizer enables organizations of all sizes to keep their networks running at peak efficiency by providing instant visibility of all traffic — whether at the network edge or, uniquely, within the LAN.

Visualizer uses patented technology to meet critical performance needs unachievable by today's current class of appliances. Visualizer allows organizations and service providers to identify today's explosive amount of non-essential traffic and deliver an unparalleled user-experience for real-time applications (voice, video, cloud apps and SaaS) as well as traditional applications (Web browsing, e-mail).

NO MORE COMPROMISE

Networks today no longer have to suffer:

- Relying on routers for network visibility — and the performance degradation from enabling it
- Minimizing or avoiding use of visibility because of the performance impact to routers.
- The constant upgrade of network appliances to accommodate growing network needs and speeds.
- And the ability to use these features within the LAN

Visualizer adds, offloads or replaces any existing solutions that prevents network visibility from being turned on — at an astonishingly low-price.

GIGABIT SPEED AT MEGABIT PRICES

Industry practice is to offer a large array of appliances — each one costing increasingly more — to support larger network sizes and capacity.

Visualizer is the only solution that eliminates the need for constant hardware upgrades. Visualizer grows with your network.

ONE DEVICE FOR ALL NETWORKS

Industry practice is to offer a large array of increasingly-costlier appliances to support larger network sizes and capacity.

Visualizer is the only solution that eliminates the need for constant hardware upgrades. One device scales to Gigabit speeds. Visualizer is designed to grow with your network.

WORKS WITH ALL COLLECTORS

Also contrary to industry practice, Visualizer includes all you need in one price — no additional costs for: network speed, capacity, software options, types of network interfaces or number of users.

NO HIDDEN COSTS

Visualizer includes all you need in one price. No additional costs for: software options, types of network interfaces or number of supported users.

NO PERFORMANCE DEGRADATION

ClearWidth's patented technology enables Visualizer to operate at its specified performance independent of traffic type, packet type and packet size. This means one performance specification — period. All other solutions degrade as packet sizes shrink — the growing trend in today's network applications.

Visualizer performance is also measured under real-world conditions: fully-configured and at small data packet sizes.

The result is no performance degradation — whether at initial deployment or during ongoing configuration changes.

Competitive solutions measure performance with large packets and zero configuration—hardly real-world conditions.

USE AT THE WAN AND IN THE LAN

Visualizer's Gigabit speed enables its use beyond the network edge to deep inside the LAN — where visibility and security has always been ignored.

Visualizer's Gigabit speed enables its use beyond the network edge to deep inside the LAN.

FULLY OPERATIONAL IN MINUTES

Visualizer easily installs into any network in minutes. Transparent mode operation makes Visualizer fit inline into a network without router configuration. Visualizer's default configuration requires only a single IP addresses for remote management.

GREEN SOLUTION SAVINGS

Visualizer is the industry's first, and only, green network appliance. Consuming an unprecedented 15 watts of power, Visualizer significantly reduce energy costs — compare to similar-priced (200 Watts) or similar-performing (800 Watts) products.

Features

NETWORK VISIBILITY

NetFlow Export

- NetFlow V5, V9
- Configurable Bandwidth and Sampling
- Export by Time
- Export by Match

NetFlow Collection

- Local Storage

NetFlow Analysis

- Top Talkers
- Top Applications
- Graphs, Charts and Reports

NetFlow Collector/Analyzer Compatibility

- Any Third-Party Software Application
- Any Network Vendor Software/Appliance
- Any Open Source Software Application

NETWORK PLACEMENT

At the Network Edge

- Behind Internet Access Router

Inside the LAN

- Behind Any Switch

NETWORK PLACEMENT

Inline

Passive (One-Arm) Monitoring

OPERATING MODES

Transparent (Layer 2)

Bridge (Layer 2)

Route (Layer 3)

NETWORKING

802.1q VLANs

Static Routes

Dynamic Routing

PPPoE

DHCP Relay

NTP

LOGGING

Syslog

MANAGEMENT

Command Line Interface (CLI)

- Serial, SSHv2, Telnet

Browser User Interface (GUI)

- HTTP and HTTPS

SNMP

SOFTWARE IMAGES

3 Stored on Flash Memory

- Current
- Rollback
- Factory Default

Specifications

PERFORMANCE

Total Throughput (Large Packets)	4Gbps
Total Throughput (Small Packets)	4Gbps
Max Concurrent Flows	192,000
Flow Creation Rate	16,000/sec

PORT CONFIGURATION

Visualizer 500

Network Type	RJ-45 Based Ethernet
Serial Port	1 x 10/100/1000BaseT
Data Ports	1 x 10/100/1000BaseT
Hardware Bypass	Power, Software, Manual

Visualizer 500F*

Network Type	Fiber-Based Ethernet
Serial Port	1 x 10/100/1000BaseT
	1 x SFP
Data Ports	2 x SFP
Hardware Bypass	Software, Manual

*Requires separate SFP transceivers

POWER CONSUMPTION

Max Power Consumption: 15 Watts

HARDWARE

Chassis

Small Form Factor

Dimensions (W/L/H)

5" x 10" x 1.5" (12.7cm x 27.2cm x 3.8cm)

Weight

2 lbs (0.9 kg)

Power

100 to 240 VAC, 50-60 Hz

ENVIRONMENTAL

Temperature

Operational: 32° to 113° F (0° to 45° C)

Storage: -13° to 158° F (-25° to 70° C)

Humidity: 5%-90%, Non-Condensing

SAFETY, REGULATORY, COMPLIANCE

Safety Compliance

EN 60950-1, UL 60950-1, TUV, CE

EMC Compliance

FCC Class A, VCCI Class A, C-Tick, CN55024, KN22, KN24

Lead-Free

EU Directive 2002/95/EC (ROHS)

MTBF

>100,000 Hours

ORDERING INFORMATION

Visualizer 500

P/N: VISU-500C-000

Visualizer 500F

P/N: VISU-500F-000

Support and maintenance agreements are available through authorized resellers or by contacting ClearWidth.

Technical support available through an authorized reseller or through ClearWidth Technical Support online at clearwidth.com/support.



Visualizer 500



Visualizer 500F

VISUALIZER SPEC HIGHLIGHTS

- Up to 4Gbps throughput
 - Fully-configured
- No performance degradation
 - Large and small packet sizes
 - Max Bandwidth & Sampling
- 15 Watts power consumption
 - Compared to 200-800 Watts
- Install in minutes
 - Default transparent mode
 - Inline operation
 - Instant operation
 - No routing configuration
- Operational in minutes
 - Just one IP address required
 - Connect to switch or router
- Small form factor
 - No rack required
 - Place anywhere

ClearWidth

6373 San Ignacio Ave.
San Jose, CA 95119 USA

Tel: +1 408.843.4290

info@clearwidth.com

www.clearwidth.com