▶VistaLINK® PRO - Monitoring & Control for all Applications
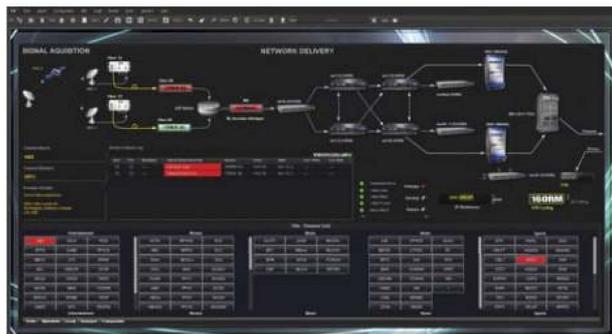
VistaLINK® PRO:

VistaLINK PRO is Evertz complete NMS/EMS management solution. VistaLINK PRO unifies the management and monitoring of all Evertz devices for any application. Through intuitive GUI options and user customizable dashboard interfaces, VistaLINK PRO provides a complete and comprehensive element management and network monitoring system. The real "plus" of SNMP is its simplicity. Through VistaLINK®, thousands of network nodes are monitored and configured world-wide via SNMP. VistaLINK® PRO and VistaLINK® PRO PLUS unite all SNMP-based equipment from Evertz® and beyond, providing monitoring & configuration capabilities for your mission critical needs. VistaLINK® is the industry's most complete & comprehensive SNMP-based signal monitoring & equipment configuration solution available.

Features include equipment configuration, setup & monitoring Managed element health status & link monitoring, discrete signal monitoring, multi-wall display monitoring and monitoring-by-exception and root cause analysis solutions. With effective and simple-to-use graphics, unparalleled drill-down information, external notification tools, and an efficient network architecture of SNMP based managed elements. VistaLINK® PRO PLUS provides you with all the details.

Configuration Management:

VistaLINK® PRO provides complete configuration and setup functions for Evertz entire broadcast product line. All Evertz devices (and optionally 3rd party devices) can be configured using an intuitive tabbed device configuration system. Standalone VistaLINK® PRO configuration software (VLPRO-C) is provided free to users allowing unlimited configuration capabilities for Evertz® VistaLINK® - capable equipment.
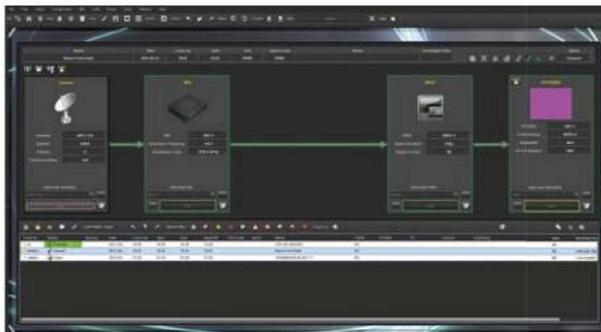

Alarm/Event Notification Client:

Expand the VistaLINK® PRO configuration tool by adding centralized alarm management (VLPRO). Define & set critical alarms, alarm severities and filters. Built-in external alarm notification tools include audible alerts, "smart" email notification and/or contact closure triggers. VistaLINK PRO fault alarming and notification can also be enhanced using Evertz +RCA (Root Cause Analysis) option to pinpoint and expose root faults in large or complex monitored environments.

Scheduling and Auto-Response (+SCH):

Automate facility monitoring & configuration operations or limit false alarming by scheduling changes based on times & dates or events. Program hardware & router changes to be triggered by incoming alarms or exceeded parameter thresholds. Combine routines and Boolean logic to create complex automated logic response systems. Routines can be created within the program wizard or via external scripting mechanisms. The VistaLINK® PRO AutoResponse (+SCH option) allows customized reaction or scheduled based logic routines to be added and enhance base VistaLINK® PRO monitoring systems.

Monitor Web Clients (+WEB):

Unlock the capability of a remote system or facility health monitoring solution through VistaLINK® PRO + WEB clients. Go beyond a firewall to monitor your facility conveniently through a standard Internet browser application. The VistaLINK PRO Web Gateway allows graphical systems created with VLPRO-PLUS to be served out (in HTML format) through a bundled Web Server, allowing users to connect using standard browsers for operational access. The Web Gateway solution provides a convenient method for isolating client connections from an internal managed hardware network.

Thumbnail Server (+TSERV):

The Thumbnail server option for VistaLINK® PRO adds the ability to collect, aggregate and make confidence monitoring thumbnail images available to connected VistaLINK® PRO clients for viewing. Thumbnail images can be collected from any Evertz device that supports the "ThumbLINK" technology. Video, audio and data monitoring is enhanced in VistaLINK® through the ability to view thumbnail images from supporting modules, which can be viewed in separate windows or embedded into custom user-designed client UI screens.

Redundancy (+RSERV):

Due to the high reliability requirements of today's management systems, Evertz offers the ability to setup VistaLINK® PRO in a fault tolerant high availability Master/Slave redundancy model. When VistaLINK® PRO Server are configured in a redundant mode they will manage failovers internally and redirect client connections automatically.

Third-Party Monitoring & Interfacing (+TPD):

For Third-party SNMP-enabled or legacy equipment monitoring & configuration, VistaLINK® may be extended to unify all of your system monitoring needs in one package. 3rd party devices can be incorporated into a VistaLINK® PRO NMS system using basic included tools or through a purchased 3rd party driver option (contact factory form more information regarding available 3rd party drivers).

VistaLINK® PRO
SNMP Monitoring & Control Software for all Applications

▶**VistaLINK® & SNMP • Simple, Reliable, Secure and Efficient**

The real 'plus' of SNMP is its simplicity. Through Evertz® VistaLINK®, thousands of network nodes are monitored & configured worldwide via SNMP. VistaLINK® PRO and VistaLINK® PRO PLUS unite all SNMP-based equipment from Evertz® and beyond, providing monitoring and configuration capabilities for your mission critical needs. VistaLINK® is the most complete and comprehensive entirely SNMP-based signal monitoring and equipment configuration solution.

Features include terminal equipment configuration & monitoring (on the same module), fiber module health status & link monitoring, discrete signal monitoring, multi-wall display monitoring and monitoring-by-exception solutions. Simple,

reliable, secure end efficient network monitoring & control for your facility equipment through VistaLINK® and SNMP. All of Evertz® VistaLINK®-capable products have built-in probing & monitoring.

Effective, simple-to-use graphics, unparalleled drill down information, external notification tools and a network efficient SNMP monitoring & configuration architecture - VistaLINK® PRO PLUS provides you will all of the details!

▶**VistaLINK® PRO PLUS (Graphics Client):**

Building on top of standard VistaLINK® PRO configuration clients, add user-configurable graphical representations of your broadcast facility - local and remote. Start with global perspectives and drill down to specific rack and frame layouts or consolidate important status information and direct configuration control on a single display.

Import facility block diagrams or generate an off-line simulation using virtual equipment and graphics from the VistaLINK® media library. Link multiple views for the most effective facility or application presentation. Integrate your VistaLINK® PRO PLUS graphic screens with a VIP™ or MVP® and get the best of both on-screen signal display and network monitoring & configuration. All graphics page design tools are included with the application and users can easily design new graphical layouts using initiative Windows like drag and drop design tools. No special programming or scripting language knowledge is required.

The VistaLINK PRO-PLUS graphical client system allows limitless graphical dashboard interface screens to be designed and linked together to provide an enterprise level graphical network monitoring solution. Graphical NMS monitoring pages expose device and signal faults better and provide faster visual fault impact and cause analysis.

In today's high signal count and complex broadcast environments, the VistaLINK PRO-PLUS graphical clients allows systems to be presented to front end operations staff in a meaningful and graphically representative fashion providing easier system fault diagnosis and faster Mean Time To Repair (MTTR).
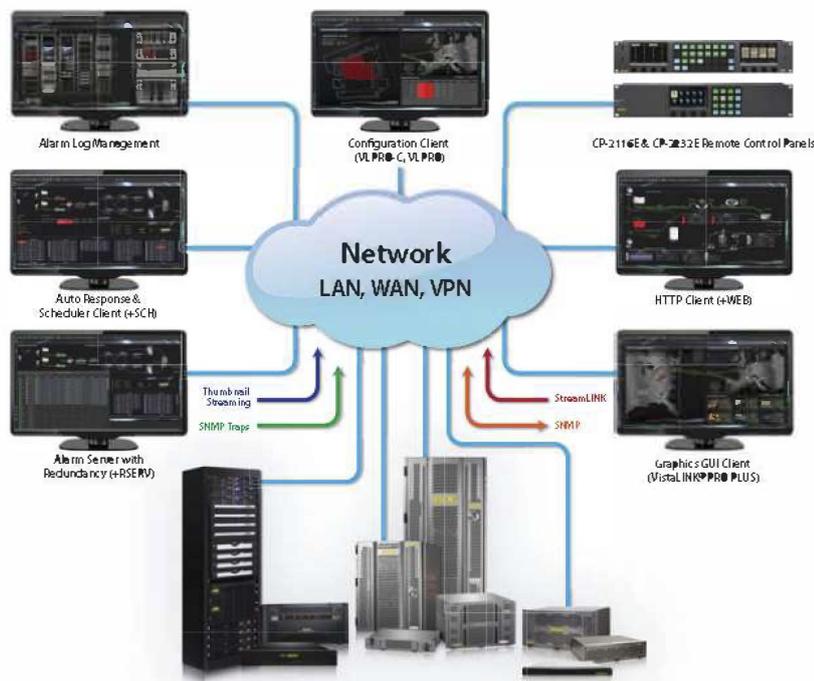
▶ **System Diagram**

Alarm Log Management

Configuration Client (VLPRO-C, VLPRO)

CP-2116E & CP-2232E Remote Control Panels

Auto Response & Scheduler Client (+SCH)

HTTP Client (+WEB)

Network
LAN, WAN, VPN

Thumbnail Streaming

SNMP Traps

StreamLINK

SNMP

Alarm Server with Redundancy (+RSERV)

Graphics GUI Client (VistaLINK® PRO PLUS)

Root Cause Analysis:

New root cause analysis features within VistaLINK PRO allow users to zero in on a fault causes and suppress needless downstream fault alarms. Through the addition of the optional system Root Cause Analysis plug-in (+RCA) the VistaLINK PRO system allows users to define logical and ordered hardware Service groupings. Once these groupings are defined the VistaLINK PRO system will correlate alarms coming from multiple devices within a Service, determine the root cause alarm and suppress from operations view any fault alarms that are a result of upstream errors. The root cause analysis feature includes adjustable correlation timing windows for customizable setup according to the application.

Root Cause Analysis assists with focusing operations staff on the root cause of a problem and suppresses faults or information that is simple present due to an upstream fault alarm. Root Cause Analysis speeds operator fault diagnosis, focuses the operators view on real problem areas and reduces overall Mean Time To Repair (MTTR).

Simplify Complex Control and Monitoring:

By better managing and maintaining the output quality and consistency of a broadcast service the benefit of a quality monitoring and control system is realized. VistaLINK® PRO allows operators the ability to rapidly diagnosis and correct system faults. VistaLINK® PRO provides intuitive easy to understand interfaces for even the most complex broadcast systems, focusing the operator on the root cause of a problem or fault and thus reducing OPEX.

Monitoring By Exception (MBE):

By using Evertz multi-input monitoring electronics, VistaLINK® PRO can provide a monitored by exception environment. Keying operators to real faults and not requiring unnecessary maintenance of good channels increases the operators efficiency. Evertz multi-viewer display systems can be configured to work in unison with VistaLINK PRO fault detection to provide dynamically updated signal fault ●C stations and signal display. Operators can focus on a specific fault (Penalty Box) display that is dynamically updated with faulting video/audio signals when VistaLINK PRO detects errors.

▶ **Ordering Information**

VLPRO-C	VistaLINK® PRO SNMP configuration-only application software -Free with all Evertz® VistaLINK® controlled modules
VLPRO	VistaLINK® PRO SNMP alarm monitoring and module configuration application software (for 1 client station with 1 year maintenance support)
VLPRO PLUS	VistaLINK® PRO PLUS SNMP alarm monitoring, with customizable graphics mapping support and module configuration application software (for 1 client station with 1 year maintenance support)

Ordering Options

+SCH	VistaLINK® PRO automated configuration, scripting & scheduling application software option
+RSERV	Redundant VistaLINK® PRO server
+TSERV	Thumbnail Server option
+TPD	Third Party TRAP monitoring option
+WEB-1	Remote site VistaLINK® system monitoring client (1) using Internet browser
+WEB-5	Remote site VistaLINK® system monitoring clients (5) using Internet browser

Upgrade Options

VLPRO PLUS	Upgrade existing VistaLINK® PRO client to VistaLINK® PRO PLUS (1 client, 1 year)
VLPRO-SCH	Upgrade existing VLPRO to include automated configuration & scheduling software
VLPRO-WEB1	Upgrade for existing VLPRO to include remote site VistaLINK® system monitoring

Training & Yearly Subscriptions

VLPRO Set-up VLPRO Training	VistaLINK® configuration & training session (per Diem)
VLPRO-SER/SUP/LIC 1, 2 or 3 Year	Extra 1, 2 or 3 year VistaLINK® PRO PLUS license & support per client

Network Control Panels

CP-2116E	Control Panel
CP-2232E	Control Panel