

Perfect Video over IP



The Vx8000 transports real-time broadcast-quality digital video over public and private IP networks.

Replicaster™

Transmit programs to many destinations without relying on a multicast enabled network

By enabling the Replicaster™ feature of the Vx8000, you can reach multiple destinations cost effectively. Though the Vx8000 supports IGMPv3 (multicast), Replicaster™ allows you to grow revenue by providing a program to several receivers over unicast networks.

ClearPath Pro™

An enhanced IP interface ensures the greatest reliability and simplest integration into your broadcast transmission network

ClearPath Pro™ features advanced Forward Error Correction(FEC) that enables transport of programs over the Internet or any IP network. In addition, smart packet interleaving and single source UDP allow your IT department or broadcast engineering staff to deploy new programs efficiently in a variety of networks.

Scalable License

A flexible license model allows you to build your Vx8000 to suit your current needs, with room to grow as your application scales

Purchase between 1 and 8 ASI ports, and Replicaster™ licenses to customize your Vx8000s. This scalability allows you to minimize up-front cost while guaranteeing affordable growth.

DVB-H Support

With an external clock input, the Vx8000 is ready to integrate into new DVB-H networks for program distribution

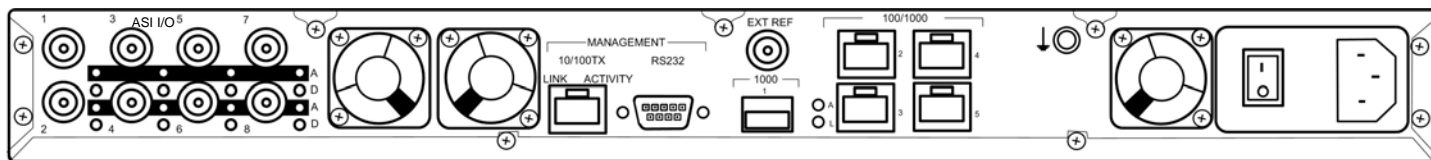
With an IP interface and synchronized output, your Vx8000 is ready to be part of a cost-effective DVB-H mobile video network deployment.

Network Monitor

Built-in IP network statistics help you troubleshoot and optimize your program transmission

The Vx8000 maintains a simple interface for monitoring many IP network conditions. This information is critical to guarantee and optimize your program delivery. With the Vx8000 you will not need to deploy expensive third party network analyzers to support your new service.

Rear Panel*



*AC model shown, DC available

Digital Video Interfaces

Type:	DVB-ASI
Number of ports:	Software licensable up to 8 ports (selectable Tx/Rx on a port-by-port basis)
Connector:	Female BNC
Formats:	MPEG-2 transport stream (188 / 204 byte) containing MPEG-2, MPEG-4 (H.264) or VC-1 compressed video
Bitrate:	500 Kbps - 213 Mbps per ASI port

Control and Management

Type:	10/100 Fast Ethernet
Connector:	RJ-45
Protocols:	SNMP, FTP, Telnet, HTTP, SNTF
Features:	HTTP Web Interface. SNMP w/ traps for integration into Network Management System.
Configuration Interface:	1 RS-232 (male DB-9) serial interface

Network Interfaces

Type:	(1+1) Fast/Gigabit Ethernet port configuration
Connector:	SFP module (1000 Base-X) RJ-45 copper (100/1000 BaseT)
Protocols:	IEEE802.3 Ethernet RTP, ARP, IPv4, IGMP v2/3, TCP/UDP, SNTF
Formats:	MPEG-2 transport stream (188 / 204 byte)
Bitrate:	Max. 750 Mbps

Chassis

Rack Size:	1 RU
Height:	1.75 inches
Width:	17.25 inches
Depth:	17.5 inches
Weight:	17 pounds
Operating Temperature:	32 to 131 F (0 to 50 C)
Operating Humidity:	10% to 95% non-condensing
Storage Temperature:	14 to 158 F (-10 to 70 C)
Certifications:	CE, UL and FCC certified, RoHS Compliant
Input Voltage:	100—240 VAC 50-60 Hz 0.5 Amps -48V DC <i>optional</i>

Stream Processing

TS Encapsulation:	SMPTE 2022-2
Forward Error Correction (FEC):	SMPTE 2022-1 ClearPath Pro™
Transport Stream Processing:	Transparent
External Timing(optional):	10Mhz GPS (for SFN)
Replicast (optional):	Multiple unicast destinations of single program

Front Panel

Display:	2 lines by 24 characters
Interface:	12 numeric and 5 navigational buttons
Indicators:	4 LEDs: power, activity, fault, log

Path 1 continuously improves its product line and reserves the right to change product specifications without prior notice. Please contact Path 1 for the most recent product documentation.