The VideoBridge VB130 RTP reference generator option module enables operators to inexpensively deploy IPTV signals for testing purposes in their xDSL or fiber networks. Each reference generator blade outputs seamless test streams of preconfigured bandwidth. The VB130 RTP reference generator blade is an option module in the rack-mountable VB100 3RU chassis or in the VB200 chassis with an adapter card.

The purpose of the generator module is to provide a guaranteed fault-free reference channel.

In a real-life turnaround scenario often found in IPTV systems the incoming signal arrives from satellite or cable. The input signal can thus contain artifacts that have nothing to do with the IP network. This leads to ambiguity when measuring downstream in the IP network. The RTP protocol generation inside the generator module has the effect of adding a packet sequence counter to each IP frame played out. By monitoring this packet counter at strategic points in the network, operators gain exact knowledge of potential out-of-order/dropped packet events in their networks.

Each generator module runs a built-in web server, providing for easy remote management. Initial setup is performed through RS-232 or TELNET. Central management is provisioned for through the VBC controller server software.

- 1 RTP reference stream
- Test stream looped seamlessly
- Modular and hot-swappable architecture
- Web-based user interface
- VB100 Chassis compatible
- VB200 Chassis compatible (with adapter)
- Optional central management
  through VBC server

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Receiver   IP Streamer   Scrambler

ASI   Eth   Eth

VBC - VideoBRIDGE Controller   bridge|tech™

MANAGEMENT DATA

VBC SERVER

BRIDGETECH VB100
(4x VB110, 4x VB180)

BRIDGETECH VB100
(4x VB110, 1x VB130)