

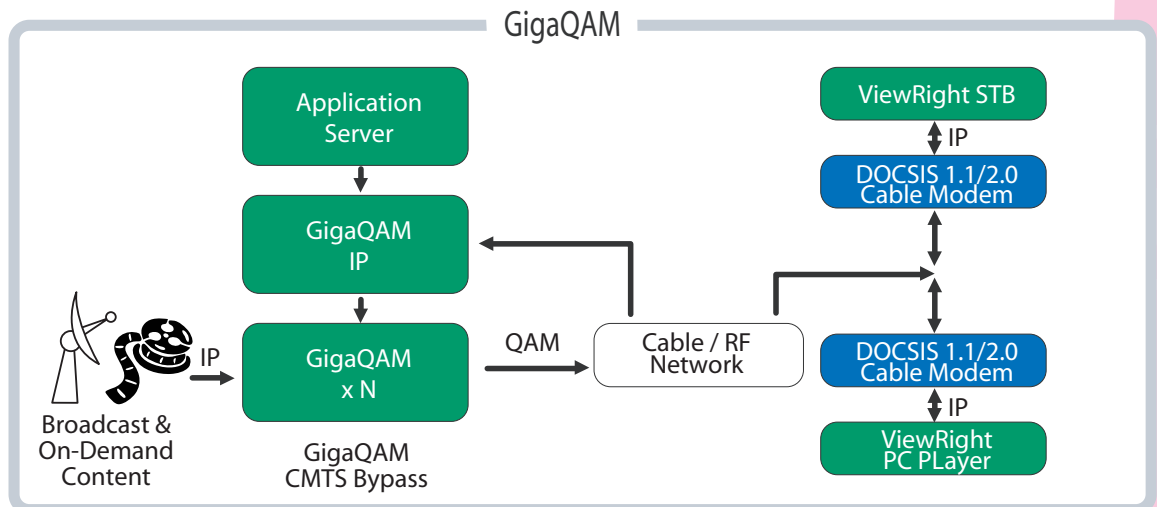
Enabling Secure IPTV over Cable Networks

The Verimatrix GigaQAM CMTS Bypass is a key option within the Video Content Authority System (VCAS), offering cable operators a secure, cost-effective solution to deliver next generation IPTV services over cable plant – now. Integrating a CMTS¹ Bypass solution with robust software-based content security, GigaQAM² converts an existing cable system to an asymmetric IP network perfectly suited for IPTV. Multicast and unicast streams are delivered to off-the-shelf IP-STBs and PCs via low-cost cable modems.

Cable operators benefit from the development boom in IPTV technologies and gain access to the vast ecosystem of Verimatrix, including a wide variety of pre-integrated IP-STBs, MPEG-4 encoders and interactive middleware.

The solution will also appeal to operators with both telco and cable systems. By deploying a unified IPTV solution for both the telco and cable networks, the operator benefits from lower total cost, ease of operation and streamlined customer support. The solution complies both with the U.S. DOCSIS and EuroDOCSIS standards.

For U.S. operators, it offers the additional benefit of fulfilling the FCC mandate of separable security. VCAS features downloadable, software-based content security – no need for embedded security in the receivers.



Features

CMTS Bypass Components	GigaQAM 3000 EdgeQAM, GigaQAM IP Upstream controller and RetroVue® Application Server.
RetroVue® Application Server	CMTS Bypass system controller & service manager (1RU).
GigaQAM® 3000	EdgeQAM, multiplexer and DOCSIS Encapsulator (1RU). Input: Gigabit Ethernet (RJ45). Capacity: Up to 6 x 4 channel modulation cards, Annex A or Annex B, 64–256 QAM.
GigaQAM® IP	DOCSIS QPSK receiver (1RU). DOCSIS timing and control information for up to 8 attached GigaQAM units. Capacity: 2, 4 or 6 IP upstream QPSK channels.
Cable Modem Compatibility	DOCSIS 1.1 and 2.0; DOCSIS 3.0 when available.

1: CMTS—Cable Modem Termination System, a DOCSIS head-end component (Cable Television Laboratories, Inc.)
2: GigaQAM and RetroVue are registered trademarks of GoBackTV, Inc."