

The main background image shows a curved wall of multiple monitors displaying various data visualizations like bar charts and line graphs. In the foreground, a large, professional video camera lens is visible, partially obscuring the view. A play button icon is overlaid on the bottom right of this section.

Avedia Modular System

Live IP Video Streaming



The Avedia Modular System is a flexible, blade-based IPTV headend, offering RF gateways and encoders in various chassis options

A smart, scalable IPTV solution designed for modern organizations, the Avedia Modular System lets you mix and match RF gateways and encoder blades to suit your exact needs.

Whether you're streaming live TV from terrestrial, satellite, or cable sources, or broadcasting high-quality video from HDMI inputs, the Avedia Modular System ensures smooth, low-latency delivery across your network. With broad support for RF standards and multiple chassis options, it's the ideal choice for reliable, professional-grade video distribution.

Features & Benefits

- RF gateways support a wide range of broadcast standards and any resolution or codec
- Offers content protection ensuring compliance with broadcaster requirements
- De-scramble encrypted content through standard Conditional Access Modules (CAMs)
- Reliable performance and energy-efficient power consumption per channel
- Hassle-free, intuitive setup and an easy-to-manage web interface offer extensive control and monitoring
- Blade-into-chassis design provides a highly reliable modular solution with “hot-swap” ability to minimize downtime
- IP multicast streaming enables delivery to an unlimited number of end-points
- VLAN provides added security by separating the administration interface and video streaming from the guest network

45-Series RF Gateways

Standards-Based Streaming

VITEC RF Gateways support a wide range of terrestrial, satellite and cable digital TV standards, and support any broadcast resolution or codec for maximum interoperability.



Wide Range of Inputs

The range of VITEC RF gateways features models with a variety of different inputs, multiple tuners, and UDP TS IP inputs.

Secure and Reliable

Safeguard live content to match broadcaster or security requirements using Samsung LYNK™, Pro:Idiom™ and VITEC Content Protection, based on AES.



		Satellite					Terrestrial/Cable			
		g4510	g4512	g4515	g4517	g4518	g4540	g4542	g4548	g4548-us (US)
Input	DVB-C/C2						✓	✓	✓	
	DVB-T/T2						✓	✓	✓	
	DVB-S/S2	✓	✓	✓	✓	✓				
	ATSC									✓
	Clear QAM									✓
	RF Tuners	2	2	2	2	8	2	2	8	8
	UDP TS	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*
	SRT	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*
Advanced Features	DRM			LYNK™ DRM/AES	Pro:Idiom™					
	Optional DRMs	AES*	AES*	AES*	AES*	AES*	AES*	AES*	AES*	AES*
	CAM slots		2	2	2			2		
Streaming	UDP TS	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRT	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*

*license required

38-Series Encoders

Transmit Video Across The Network

Reliable and modular, 38-Series encoder blades enable the encoding and streaming of HDMI sources over the network, minimizing glass-to-glass latency using multicast technology.



Easily Fit Organizational Needs

With their blade-in-chassis design, 38-Series encoders allow the creation of a flexible IPTV headend, making it easy for organizations to add extra encoding channels when needed.

Production-Ready Video

Easily contribute SRT content by sharing field-generated media directly back to production environments.



			Standard Models	Pro Models
Input	Source	Inputs	1 / 2	1 / 2
		HDMI	✓	✓
	Video	HD	✓	✓
	Audio	Embedded	✓	✓
Output	Encoding	H.264	✓	✓
		Stereo AAC	✓	✓
	Streaming	UDP Multicast	✓	✓
		SRT	(licence)	✓
Advanced Features	Content Protection			AES
	Video Scaler			✓
	Overlay			✓
	Test patterns			✓

Avedia Chassis

Modular and Flexible

Avedia Modular Systems are designed to be as flexible as possible, utilizing a hot-swap, chassis-based system. With multiple options to suit different types of environments, from single-slot desktop, to high-density rack-mount solutions.



- Hot-swap support maximizes uptime
- Highly reliable system, minimizing downtime with dual power supplies and Ethernet interfaces
- Easy on-site replacement of components
- Future-proof IPTV: easily add blades to support new TV and video sources as your organizational requirements grow

	c1101	c1103	c1210
Number of Blades	1	3	10
19" Rack-mountable (size)		✓ (1U)	✓ (4U)
Hot-swap Blades	✓	✓	✓
Dual Ethernet Port Per Blade			✓
Hot-swap Fans			✓
Redundant PSUs			✓