

# AvediaStream Encoders

Streaming high-quality, low latency video content over IP

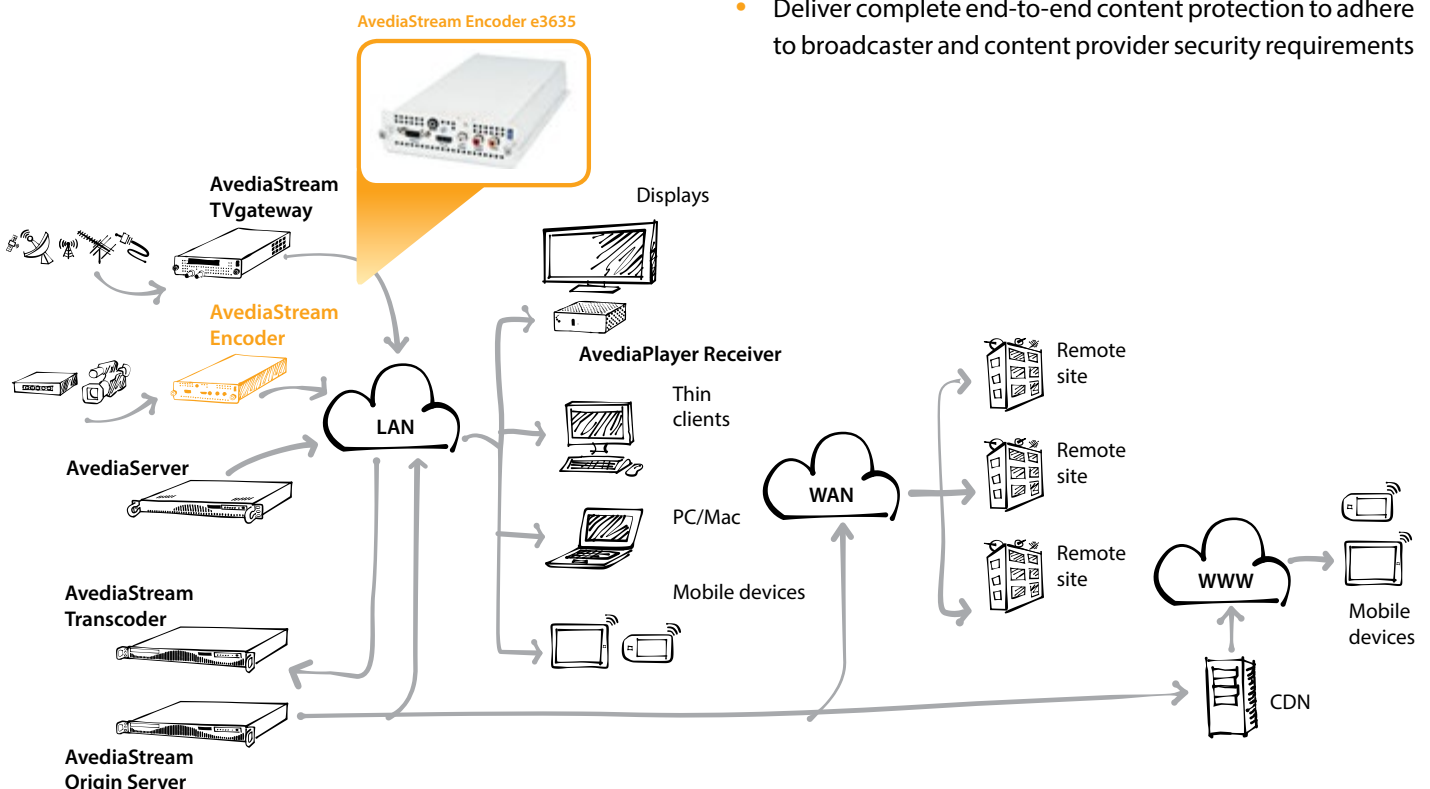
Exterity Encoders stream live and pre-recorded video and audio directly onto an IP network, creating a single channel from the output of a wide range of sources, including digital cameras, set-top boxes, digital signage systems and personal computers.

The Exterity Encoder ranges contains SD and HD Encoders, each with their own audio, video and encoding capabilities, and are suitable for a wide-range of industry and video solution requirements.

Flexible and easy to use, AvediaStream Encoders integrate seamlessly with any Exterity IP video solution or industry-standard equipment. Encoders can also be enhanced with system management and monitoring from the Exterity AvediaServer, which provides an easy way to control content delivery to each individual screen.

## Benefits of AvediaPlayer Encoders:

- Take any source and make a channel available on the network alongside live broadcast channels
- Support MPEG-2 or MPEG-4 / H.264 encoding
- Support stream options from multicast UDP to HLS or RTSP
- Full HD (1080p) encoding
- Low end-to-end latency with full multicast delivery
- Provide IR Out to facilitate optional control of AV sources via the IP network
- Deliver complete end-to-end content protection to adhere to broadcaster and content provider security requirements



## Streaming video content 'Beyond the LAN'

Exterity Encoders can extend TV and video streams outside conventional LANs for delivery to the internet and mobile devices. Streaming protocols HLS and RTSP enable encoder AV sources to contribute to Content Delivery Network environments, or stream directly to mobile devices and desktop monitors.

The Exterity Encoder comparison table below details the specific features of each model to help you select the most suitable Encoder to meet your requirements.

			e2320	e3635-std	e3635-pro	e3535	e3655	e3555
INPUT	Source	IR Out (source control)	✓	✓	✓	✓		
		Inputs	2	1	1	1	1	1
	Video Input	Composite	✓					
		S-Video	✓					
		SD Component	✓	✓	✓	✓		
		HD Component		✓	✓	✓		
		RGBS	✓					
		RGBHV		✓	✓	✓		
		HD AV		✓	✓	✓		
		SD SDI					✓	✓
		HD SDI					✓	✓
	3G SDI					✓	✓	
	Audio Input	Line Level Stereo Audio	✓	✓	✓	✓		
		Embedded Audio		✓	✓	✓	✓	✓
PCM Digital Audio			✓	✓	✓	✓	✓	
OUTPUT	Encoding	HD 1080p				✓		✓
		HD 1080i/720p		✓	✓	✓	✓	✓
		SD	✓	✓	✓	✓	✓	✓
		H.264	✓	✓	✓	✓	✓	✓
		MPEG-2	✓	✓	✓		✓	
		HDCPv2 Content Protection			✓		✓	
		Software Scaler	✓					
		Hardware Scaler		✓	✓	✓	✓	✓
		MPEG-1 Layer II Audio	✓	✓	✓	✓	✓	✓
		Stereo AAC Audio		✓	✓	✓	✓	✓
	Streaming	UDP	✓	✓	✓	✓	✓	✓
		RTP	✓	✓	✓	✓	✓	✓
		HLS			✓		✓	
RTSP				✓		✓		

AvediaStream Encoder blades must be installed in an AvediaStream Chassis.

## Deliver Content Securely

Broadcasters, media operators and organizations need to safeguard content streamed via their enterprise IP video system and protect the material from illegal copying and distribution.

Exterity meets the demand for secure delivery of content-protected or sensitive video with the addition of support for High-bandwidth Digital Content Protection (HDCPv2), which enables users to extend protection through the network from Exterity Encoders.

## AvediaCare

Ensure your Exterity solution is protected, maintained and enhanced over its lifetime with our comprehensive Avedia Care support warranty.