

# AvediaStream® Encoders

## Stream high quality, low latency video over IP

Exterity AvediaStream® Encoders stream live and pre-recorded video and audio directly onto an IP network, creating channels from the output of a wide range of sources, including satellite TV set-top boxes, digital signage systems and computers

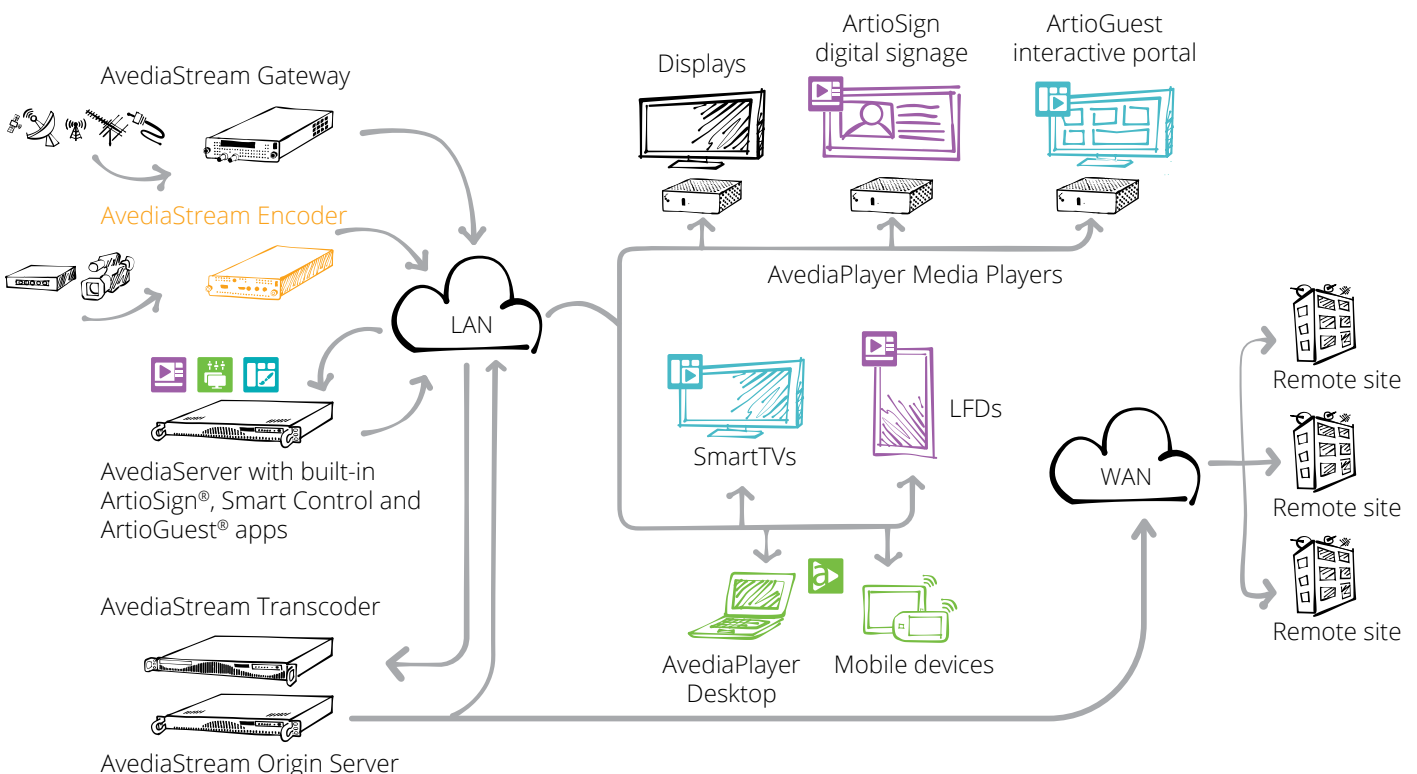
The Exterity Encoder range delivers high-quality video up to 4K UHD from sources including HDMI and SDI, and is suitable for a wide range of industry and video solution requirements.

Flexible and easy to use, AvediaStream Encoders integrate seamlessly within any Exterity IP video or industry-standard solution. System management from the Exterity AvediaServer® provides an easy way to control content delivery to each individual screen.

AvediaStream Encoders can also be managed as standalone units through a web browser.

### Benefits of AvediaStream Encoders

- Take any source and make a channel available on the network alongside live broadcast channels streamed from Exterity AvediaStream Gateways
- Deliver high quality streams up to 4K UHD (2160p)
- Minimise glass-to-glass latency with full multicast delivery when streaming live video
- Enable organisations to legally stream premium video content to up to 1000 compatible Exterity AvediaPlayer® Media Players with AvediaStream e373x HDCP Encoders
- Support HEVC, H.264 or MPEG-2 video formats
- Support Multicast UDP and seamlessly integrate with the AvediaStream Origin Server to deliver video streams to mobile devices and the internet.
- Contribute production-quality video to NDI® environments with AvediaStream e5640 4K Encoders



## Streaming video content to mobile devices

Combining AvediaStream Encoders with the AvediaStream o7500 Origin Server can extend video streams outside the LAN for direct delivery to mobile devices or to contribute to Content Delivery Networks.

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	e3830-std	e3830-hdcp-32	e3730-hdcp-pro	e3832-std	e3832-hdcp-32	e3732-hdcp-pro	e3750	e3752	e5640		
INPUT	Source	IR Out (source control)	✓			✓			✓				
		Inputs	2	1	1	1	2	2	2	1	2	4	
	Video Input	Composite	✓										
		S-Video	✓										
		SD Component	✓										
		RGBS	✓										
		HDMI		✓	✓	✓	✓	✓	✓			✓	
		SDI (SD, HD, 3G)								✓	✓	4	
		Display Port										✓	
		SFP Interface								✓	✓		
Audio Input	Line Level Stereo	✓											
	Embedded		✓	✓	✓	✓	✓	✓	✓	✓	✓		
OUTPUT	Encoding	UHD 2160p									✓		
		HD 1080p		✓	✓	✓	✓	✓	✓	✓	✓	✓	
		HD 1080i/720p		✓	✓	✓	✓	✓	✓	✓	✓	✓	
		SD	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		NDI®										✓	
		HEVC										✓	
		H.264	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		MPEG-2	✓										✓
		HDCPv2 Content Protection			✓			✓					
		HDCP Professional Content Protection				✓			✓				
		Video Scaler	✓		✓	✓		✓	✓	✓	✓	✓	
		MPEG-1 Layer II Audio	✓			✓			✓	✓	✓		
		Stereo AAC Audio		✓	✓	✓	✓	✓	✓	✓	✓	✓	
Streaming	UDP Multicast	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

## AvediaCare

Ensure your Exterity solution is protected, maintained and enhanced over its lifetime with our comprehensive AvediaCare support warranty. AvediaCare provides access to software and firmware updates, tech support and advance product replacement. Please contact your Exterity reseller for more information.