

XstreamEngine

XstreamEngine Video Encoding and Streaming Appliance

High performance 1U rackmount & small form factor designs

With multi-channel encoding and streaming power in a choice of compact enclosures, XstreamEngine is designed for performance, and easy integration into a wide range of media broadcast environments.

Streamlined Broadcast Management

XstreamEngine enhances multiple stream management through rapid configuration of streaming profiles including real-time monitoring.

Comprehensive service and support

All of our XstreamEngine products come with a 12 month hardware replacement warranty. To ensure rapid resolution for your streaming appliance deployments, choose from a full range of Winnov Support plans designed to provide expert support – with only one number to call.

The most powerful, cost-effective AV encoding & streaming solution.

In today's marketplace, broadcasters and content producers are constantly pressured to increase video streaming capacity while keeping costs down. Broadcasters, CDN's, educational institutions, and enterprises across the globe rely on XstreamEngine to deliver reliable, high quality, live and on-demand IP audio & video.

XstreamEngine is a workhorse designed to continuously encode and stream audio & video content on a 24/7/365 basis. It can capture and stream up to eight channels of audio and video at full standard definition, while guaranteeing no dropped frames or pixels with near-perfect audio synchronization.

XstreamEngine features a powerful web interface that enables users to remotely configure, monitor streams, and schedule recording events on an unlimited number of systems. Its convenient 1U form factor makes XstreamEngine easy to integrate into any existing server array. Increase ROI by driving down per-channel costs. XstreamEngine combines multiple encoders, delivering the most powerful, yet cost-effective video streaming solution available.

Markets

Education

- Keep students current on world events
- Stream cable & satellite programming to classrooms via multicast
- Removes television from the equation, only requires PC and a projector
- Streamlines AV & IT infrastructure

Broadcasters

- Continuously encode and stream audio & video 24/7/365
- Ideal for IPTV broadcasting
- Easily broadcast live events
- Broadcast more streams with fewer systems
- Only streaming appliance capable of encoding & streaming 8 channels of full definition video
- Unlimited scalability

Digital Signage

- Stream ad messaging can be frequently updated
- Hands-free ad serving platform
- Serve an unlimited number of advertisements
- Control remotely via web interface
- Schedule advertisement placement/timing cycles
- Only streaming appliance capable of encoding & streaming 8 channels of full definition video
- Unlimited scalability
- Continuously encode and stream audio & video 24/7/365



Key Features

Event scheduler

Create calendars to automatically broadcast, archive and publish events.

Powerful web-based GUI

Remotely control an unlimited number of XstreamEngine for simultaneous encoding and archival.

Unprecedented channel density

Encode & stream up to 8 channels of full resolution SD video with a single 1U system.

Live audio and video preview

Monitor real-time effects of audio and video adjustments made to streams.

Streamlined broadcast management

Deinterlacing and inverse-telecine ensure a high quality image.

Closed-caption and overlay support

Easy to manage closed-caption and graphic/text/time overlay functionality.

Push and pull content delivery

Support push and pull capabilities to accommodate any streaming scenario.

Multi-bit rate stream capability

Target broadband and narrowband viewers with a single stream.

XstreamEngine EZ Technical Specifications

Capture	Channels	2
	Video Inputs	4 composite or 2 S-video
	Audio Inputs	2 balanced/unbalanced line level XLR, ¼" Phono
	Video Format	NTSC or PAL
Streaming	Compression Formats	WMV 9/VC-1, WMV 8, WMV 7, ISO MPEG-4 V1, WMPEG-4 V3
	Sample Streaming Config.	Up to 2 WMV 9/VC-1 640x480, 30fps
	Web Based Interface	Yes, Control unlimited systems
	Integrated Event Scheduler	Yes
	Multicast Capability	No

XstreamEngine TwinTurbo Technical Specifications

Capture	Channels	2
	Video Inputs	4 composite or 2 S-video
	Audio Inputs	2 balanced/unbalanced line level XLR, ¼" Phono
	Video Format	NTSC or PAL
Streaming	Compression Formats	WMV 9/VC-1, WMV 8, WMV 7, ISO MPEG-4 V1, WMPEG-4 V3
	Sample Streaming Config.	Up to 2 WMV 9/VC-1 640x480, 30fps
	Web Based Interface	Yes, Control unlimited systems
	Integrated Event Scheduler	Yes
	Multicast Capability	No

XstreamEngine QuadCaster MC Technical Specifications

Capture	Channels	4
	Video Inputs	8 composite or 4 S-video
	Audio Inputs	4 balanced/unbalanced line level XLR, ¼" Phono
	Video Format	NTSC or PAL
Streaming	Compression Formats	WMV 9/VC-1, WMV 8, WMV 7, ISO MPEG-4 V1, WMPEG-4 V3
	Sample Streaming Config.	Up to 4 WMV 9/VC-1 640x480, 30fps
	Web Based Interface	Yes, Control unlimited systems
	Integrated Event Scheduler	Yes
	Multicast Capability	Yes

XstreamEngine PowerCaster MC Technical Specifications

Capture	Channels	8
	Video Inputs	16 composite or 8 S-video
	Audio Inputs	8 balanced/unbalanced line level XLR, ¼" Phono
	Video Format	NTSC or PAL
Streaming	Compression Formats	WMV 9/VC-1, WMV 8, WMV 7, ISO MPEG-4 V1, WMPEG-4 V3
	Sample Streaming Config.	Up to 6 WMV 9/VC-1 640x480, 30fps
	Web Based Interface	Yes, Control unlimited systems
	Integrated Event Scheduler	Yes
	Multicast Capability	Yes

For More Information

For more information about the XstreamEngine family of products, and other Winnov encoding & streaming solutions, visit www.winnov.com/products

XstreamEngine PowerCaster MCHP Technical Specifications

Capture	Channels	8
	Video Inputs	16 composite or 8 S-video
	Audio Inputs	8 balanced/unbalanced line level XLR, ¼" Phono
	Video Format	NTSC or PAL
Streaming	Compression Formats	WMV 9/VC-1, WMV 8, WMV 7, ISO MPEG-4 V1, WMPEG-4 V3
	Sample Streaming Config.	Up to 6 WMV 9/VC-1 640x480, 30fps
	Web Based Interface	Yes, Control unlimited systems
	Integrated Event Scheduler	Yes
	Multicast Capability	Yes