



Granicus[®] Encoding Appliance

Hardware as a Service for Government Webcasting

The Granicus Encoding Appliance supports Granicus' current and future software platforms and encoding formats. It has been rigorously tested and certified to work with Granicus technology. Device pre-configurations allow customers to get up and running quickly while maintaining the highest level of service at a low monthly cost.

The Granicus Customer Care team leverages a suite of tools that allow us to proactively monitor, maintain and support the appliance. Full patch management of Granicus software and the operating system eliminates any maintenance burden placed on government IT staff, including contacting multiple vendors for support.

As a fully-managed solution, Granicus will provide customers with all necessary upgrades, repairs or replacements to ensure that the appliance works effectively on the Granicus platform. To help maintain ADA compliance, the Granicus Encoding Appliance supports extraction and display of embedded closed captions.

Optimized Streaming Platform

The Granicus Encoding Appliance is designed and built for our platform and streaming protocols to provide government organizations with a complete streaming solution. Each pre-configured appliance is delivered ready to stream. Simply connect power, network and an audio/video source. Full appliance control is available through a web browser or locally installed client application.

This appliance is included with the Government Transparency Suite and can be added to the Granicus Open Platform.

Granicus Encoding Appliance

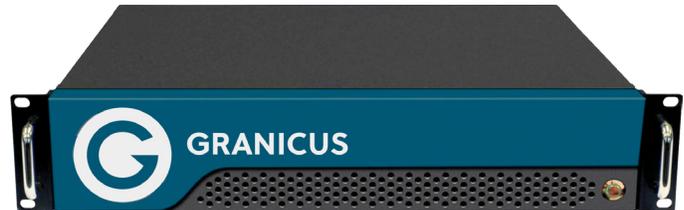
Local distribution & storage

The Encoding Appliance can be configured to support local live and on-demand streaming for up to 50 concurrent users. For organizations that require enterprise-class distribution, Granicus' Performance Accelerator distributes hundreds of simultaneous local streams with minimal network impact.

Each device is equipped with 2 TBs of local storage, or roughly 2,000 hours at standard bit rates. Granicus provides unlimited cloud content storage and retention.

The Granicus Encoding Appliance is lightweight and small enough to fit in any server rack. Encoder noise has been addressed as well. With a sound output less than 40db, the Granicus Encoding Appliance is considerably quieter than standard off the shelf encoding hardware.

Front View



Rear View



Hardware Specifications

Dimensions	<ul style="list-style-type: none"> • 13.9"D x 19"W x 3.5"H • 2U rack mountable chassis 			
Weight	<ul style="list-style-type: none"> • 25 lbs 			
Power		Idle	Load	Startup
	Watts	53	1671	102
	Amps	0.441	1.393	0.85
	kVA	0.529	0.167	0.102
	BTU/hr	181	570	348
Connectivity	<ul style="list-style-type: none"> • Ethernet: 2 auto-detecting x 1 Gbit ports 			
Storage	<ul style="list-style-type: none"> • Up to 2TB capacity • 2000 hours at standard bit rates 			
Hardware Warranty	<ul style="list-style-type: none"> • Granicus customer lifetime (managed hardware) 			
Optional Components	<ul style="list-style-type: none"> • Rail kit * • Tower conversion kit * 			
Management	<ul style="list-style-type: none"> • Full remote management, monitoring patching & reporting 			

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Adobe Flash Player


Audio/Video Specifications

ANALOG ENCODING APPLIANCE	
Video One Channel Switchable Input	<ul style="list-style-type: none"> • Composite (BNC x1) • S-Video (Includes BNC to mini-DIN adapter) • Component (BNC x 3) • NTSC & PAL supported
Audio Inputs	<ul style="list-style-type: none"> • Balanced stereo (XLR x 2) • Unbalanced stereo (RCA x 2) • Stereo & mono supported
DIGITAL ENCODING APPLIANCE	
Video	<ul style="list-style-type: none"> • SDI (BNC)
Audio	<ul style="list-style-type: none"> • Embedded audio on channel 1,2,3 or 4

Streaming Specifications

Live Streaming	<ul style="list-style-type: none"> • Static public IP address • Inbound pull over TCP Port 8080 (port changed upon request) • 600 Kbps upstream ** • Unlimited viewers
Encoding Formats	<ul style="list-style-type: none"> • Microsoft® Windows Media® (Silverlight®) • H.264 for Adobe® Flash® Player • H.264 in HTML (iOS and Android devices)
Local Distribution	<ul style="list-style-type: none"> • Live and on-demand (directly from Granicus Encoding Appliance) • 50 maximum concurrent streams

* Additional charges may apply

** Higher bitrates available, requires additional bandwidth