

WOWZA CLEARCASTER™ ENTERPRISE

ClearCaster Enterprise

Live Encoding Solution With Unmatched Cloud Control

Controlled by
Wowza Cloud
Orchestration

Camera-to-
cloud
Encoding

Enterprise-
class
Components



Revolutionizing Cloud Control

The ClearCaster Enterprise™ is the ultimate enterprise-grade live encoding solution. Purpose-built for data centers and production teams, the fully redundant and scalable solution simplifies the streaming workflow and delivers next-generation video performance to any broadcast environment.

What is Wowza Cloud Orchestration?

Cloud-based control of your entire encoding fleet — from anywhere in the world.

Designed with a cloud-first approach and back-end management, Wowza Cloud Orchestration allows you to take complete control of your entire encoder fleet from anywhere in the world. Prebuilt using proven Wowza technology, Wowza Cloud Orchestration simplifies the most difficult parts of the encoding workflow — saving you time and lowering overhead costs. With Wowza Cloud Orchestration, you can easily manage thousands of streams with a scalable API, or build your own architecture on top of our cloud-optimized back-end infrastructure.

Key Features:

- ✓ 4K Resolution
- ✓ Redundant Power Supply
- ✓ User Management
- ✓ Closed Captions
- ✓ Titling and Graphics
- ✓ Multi-Target/Output
- ✓ HEVC
- ✓ SRT
- ✓ Cloud Storage
- ✓ Real-time Dashboard



Cloud-Based ClearCaster™ Manager:



Remote Management

Browser-based control allows for remote management from anywhere.



Streamlined Workflows

Reliably take broadcasts live with just one click.



Multi-User Access

Provide your entire team with access to your encoders.



Health Monitoring

Identify issues quickly and ensure your broadcasts are ready to go live.



Custom Workflows

Build your own encoding workflows and use interface controls.



User Roles and Permissions

Restrict access on certain features to less technical team members.



Graphics Engine

Enable slates, count-down timers, lower-thirds and animated logos on your broadcast.



APIs

Use the GraphQL API to build your own applications utilizing ClearCaster.



Record Management

Immediately access clean recordings of your broadcasts in the cloud.



FRONT



BACK

A/V Inputs	Physical: 1 x 6G-SDI/HDSDI BNC input, 1 x HDMI 1.4a, IP 1 x MPEG-TS(UDP, SRT);RTSP; RTMP, HLS via pull only
Input Resolutions & Frame Rates	HD 2160P30 (4K); de-interlacing support Up to 1080i/P60 (lower frame rates, resolutions support); scaling support
Codec Support	Video Inputs: H.264; via IP input H.265, MPEG-2 support Video Outputs: H.264; H.265 Audio Inputs: Embedded audio, via IP input AAC, AC-3 (Dolby Digital), MPEG-1 layer 2, MP3 support Audio Output: ACC
Captions	Embedded CEA-608/708closed captions
Output Resolutions	Up to 2160p30; Encode up to 2160P renditions with Full ABR ladder Support for high frame rates at lower resolutions Controllable aspect ratios and frame rate; all outputs support multiple targets
Output Formats	RTMP / RTMPS MPEG-TS (unicast, multicast) RTSP/RTMP/SRT
Recording	Fragmented MP4; record multiple outputs; store on appliance and in cloud
Network	1 GB Ethernet; DHCP Support; manual network configurable
System Control	Cloud-based browser control and template management Centralized API (GraphQL); user management; built-in LCD screen
Hardware	Dual 600W fully redundant power supplies. Dimensions: 17.3 x 3.5 x 16 inches / 43.94 x 8.89 x 40.64 cm Weight 18 lbs / 8.16 kg

For more information, visit wowza.com/products/clearcaster