



Where reliable hardware encoding meets unmatched cloud control.

Cloud-Based  
Workflow  
Management

Adaptive  
Network  
Encoding

Real-Time  
Health  
Monitoring

## Revolutionizing Cloud Control.

The Wowza ClearCaster™ Pro brings reliable, broadcast-quality encoding to any destination. Purpose-built for media groups and production teams, it streamlines the streaming workflow while enabling remote control and monitoring over your entire encoding fleet.

The end result? The highest-quality and most reliable live-streaming experience possible.

## The Wowza ClearCaster Pro Advantage

### Cloud-Based Workflow Management

Streamline your workflow with remote management, customizable encoding workflows, and user permission control.

### Adaptive Network Encoding

Increase reliability with intelligent adaptive network encoding, which constantly monitors network health and automatically decreases bitrate in adverse conditions.

### Real-Time Health Monitoring

Identify issues quickly with detailed monitoring metrics, from encoder health through first-mile network conditions.

## Key Features:

- ✓ Remote Management
- ✓ Live Monitoring
- ✓ User Management
- ✓ Closed Captions
- ✓ Titling and Graphics
- ✓ Multi-Target/Output
- ✓ HEVC/4K Support
- ✓ SRT

# Cloud-Based ClearCaster™ Manager:



## Remote Management

Use cloud-based control to manage your ClearCaster and go live.



## 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.



## Slates

Enable slates and clip injection to ensure clean starts and breaks.



## Record Management

Immediately access clean recordings of your broadcasts in the cloud.



## APIs

Integrate with your favorite applications using ClearCaster.

A/V Inputs	Physical: 1 x 6G SDI/HD/Ultra HD; 1 x HDMI 2.0a IP: 1 x MPEG-TS (UDP, SRT); RTSP; RTMP; HLS
Input Resolutions and Framerates	4k 2160p30; De-interlacing support Up to 1080i/p60 (lower framerates, resolutions support); scaling support
Codec Support	Video Inputs: AVC / h.264; Via IP input HEVC/h.265, MPEG-2 support Video Outputs: AVC / h.264 ; HEVC/h.265 Audio Inputs: Embedded audio, Via IP input AAC, AC-3 (Dolby Digital), MPEG-1 layer 2, MP3 support Audio Output: AAC
Captions	Embedded CEA-608/708 closed captions
Output Resolutions	Up to 4k30; Encode up to 3 1080; full 1080 ABR ladder Support for high framerate (up to 60 fps) at 1080 and lower resolutions Controllable aspect ratio and frame rate; All outputs support multiple targets
Output Formats	RTMP / RTMPS MPEG-TS (unicast, multicast) RTSP / RTMP / HLS via pull only 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	1RU; rack-mountable; 1/2 depth; 200W internal power supply



FRONT



BACK

For more information, visit [wowza.com/products/clearcaster](http://wowza.com/products/clearcaster)

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