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:

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<th>Remote Management</th>
<th>Streamlined Workflows</th>
<th>Multi-User Access</th>
<th>Health Monitoring</th>
<th>Custom Workflows</th>
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<td>Browser-based control allows for remote management from anywhere.</td>
<td>Reliably take broadcasts live with just one click.</td>
<td>Provide your entire team with access to your encoders.</td>
<td>Identify issues quickly and ensure your broadcasts are ready to go live.</td>
<td>Build your own encoding workflows and use interface controls.</td>
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### 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-608/708 closed 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

### 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

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