

Workflowlabs Cobalt transcoder is a Linux-based scalable multiformat broadcast-grade transcoder. Cobalt is designed to scale from a single-node architecture for faster than real-time transcoding to a multi-node deployment for demanding workloads.

Cobalt can be integrated into a variety of media workflows as it supports multiple hot folders for input and output, enabling multi-platform distribution. Cobalt supports all major broadcast formats and codecs and is a proven solution for a variety of workloads.



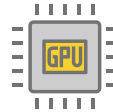
### Automated workflows

Rules creation engine for automated workflows



### Scalable

Multi-node cluster for parallel processing for large workloads



### GPU Acceleration

Faster transcoding with GPU based encoding



### Broadcast Quality

High quality encoding guaranteed

- Web-based rule assignment engine with regex support for excluding and including file types for transcoding
- Realtime job progress tracking with detailed status reports
- Up and down conversions are automatically handled
- Optional REST API for third-party integrations to submit encoding jobs
- Runs on generic COTS servers
- Support for 4K decoding and encoding
- Automated logo, and image overlay during transcoding

### Advanced workflow support with Workflowlabs Fusion Asset management system

- Supports Fusion cut rendering enabling remote editing on-prem as well as on the cloud
- Partial retrieval from offline media
- Publishing on social media in various formats

# Unmatched Scalability, True Multi-Node Efficiency

Cobalt Video Transcoder is a versatile solution for converting video content into different formats and resolutions. Whether you need to process a large amount of high-quality videos or a small number of low-quality ones, Cobalt has a version that fits your needs. Cobalt runs on standard servers without requiring any special hardware, making it easy to deploy and scale.

## Cobalt X1

Upto 1X real-time transcoding speeds

Upto 2 hot folders

Supports all major HD formats

Web based application

Auto up and down conversion with multiple scaling options

Real-time reports and alerts

Integrated with Fusion asset management system

Professional grade encoding

## Cobalt X2

Upto 2X real-time transcoding speed

All features of X1 +

Unlimited hot folders and workflows

API for third party

Logo & Watermark support

## Cobalt X3

Upto 3X real-time transcoding speed

All features of X2 +

4K encoding support [Encoding speeds vary for 4K encoding]

Optional Jpeg2000 and Dolby digital pro plus support

Optional GPU acceleration for select codecs

## Supported Video Codecs

MPEG-2, MPEG-4 Part 2, VC1, HEVC/H.265, AVC/H.264, XDCAM HD, DV, DVCPRO, JPEG 2000

## Supported Video Wrappers

AVI, MKV, MOV, MP4 and MXF

## Supported Audio Codecs

AAC, AIFF, Dolby Digital pro plus, MPEG Audio Layer-3, MPEG Audio Stream, Ogg Vorbis Files, Wave and Windows Media Audio

## Minimum server specifications

Intel Xeon 12C  
32GB DDR4 RAM  
100GB SSD HDD  
Linux Ubuntu OS  
1Gbps Network adapter