



# MEDIASCALE

TRANSCODE  
WITH TRULIVE™

Software-Defined Transcode  
Any Format In,  
Any Format Out

MEDIA  SCALE



MediaScale Transcode with TruLive™ is a 100% software-based solution that takes advantage of the latest advancements in encoding technology to provide unsurpassed video quality on COTS hardware.

- Simple to configure and scale, MediaScale Transcode with TruLive allows service providers, broadcasters, and content owners to deliver video over any network and to any device at resolutions from QCIF to 4K.
- Combined with Vecima's MediaScale TruLive Origin and TruLive Cache CDN solutions, MediaScale Transcode with TruLive provides an end-to-end video distribution solution, including video processing, storage, and delivery.

## Software-Defined Transcoding

Vecima's software-based transcoding solution is hardware-agnostic, runs on a virtual machine or in a container, and enables on-premise, cloud (public or private), and hybrid-cloud deployments.

## File and Live Workflows

MediaScale Transcode with TruLive supports multiple deployment configurations, including:

- Live video
- VOD/File
- SD, HD, and 4K content Adaptive bitrate (ABR) and SPTS

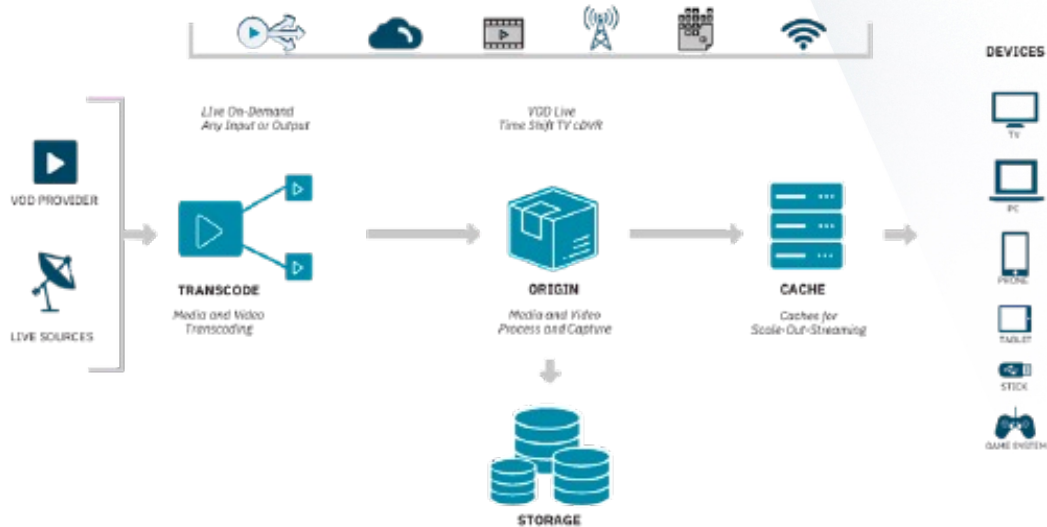
## Multiple Simultaneous Outputs

- Output a mix of streams at multiple resolutions and frame rates simultaneously.
- Address multiple target devices efficiently, simplify workflows, and maximize processing throughput.

## Advanced Video Processing

VQX (video quality experience) allows operators to select and adjust the level of video processing on a per-channel basis, enabling maximum video quality as a function of CPU utilization and network bandwidth.

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## Specifications

### File Processing

File Formats: .ts, .mpg, .avi, .mp4, .mov, .mxf, fragmented MP4

### Video Formats

MPEG-1, MPEG-2, H.264, HEVC, XDCAM50, ProRes

### Video Resolution

QCIF (176x144) up to 4K (3840x2160) SDR/HDR

### Frame Rates

Progressive 59.94, 50, 29.97, 25, 23.97 Interlaced 29.97, 25, 23.97

### Video Bitrates

Up to 50 Mb/s in VBR, CBR, or capped VBR

### Video Processing

Configurable GOP, 3:2 pull-down/inverse telecine, frame rate conversion, logo insertion, watermarking, file concatenation

### Audio Formats and Processing

MPEG-1 Layer II, AAC, AC3

### Subtitle and Teletext

EIA 608 and 708 closed-captioning pass-through and embedding from file, convert to DMXF, burn-in from TTML

### Digital Program Insertion

SCTE 35 pass-through, SCTE 35 insertion via SCTE 104 triggers

### Management

GUI, API, SNMP

### Live Processing

Live Formats: UDP/RTP (multicast and unicast), MPEG-2 TS

### Video Codecs

MPEG-2, H.264 4:2:0 (8-bit), H.264 4:2:2 (10/12-bit), HEVC HD4:2:0 (8-bit), HEVC 4K

### Video Resolution

QCIF (176x144) up to 4K (3840x2160) SDR/HDR

### Frame Rates

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### Video Bitrates

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### Video Processing

Configurable GOP, 3:2 pull-down/inverse telecine, frame rate conversion, logo insertion, watermarking, file concatenation

### Audio Formats and Processing

MPEG-1 Layer II, AAC, AC3, CALM (ATSC A/85), EBU R128

### Subtitle and Teletext

SCTE 27, closed-captioned

### Digital Program Insertion

SCTE 27, closed-captioned

### Management

GUI, SNMP