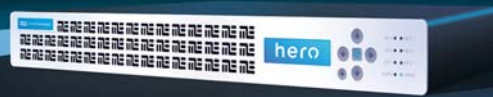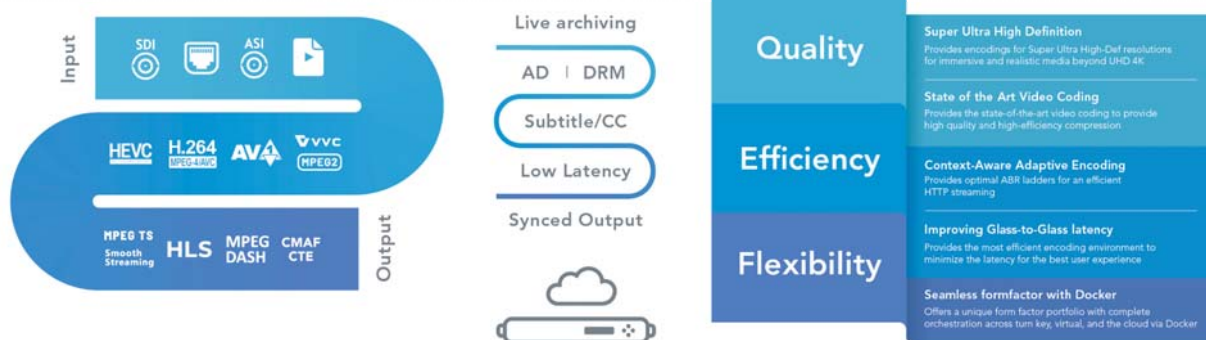# hero Live

Multiscreen Live Encoder / Transcoder

`4K` `8K`

mediaexcel

Media Excel defines the adaptive bitrate, multi-device transcoding standard for multiscreen video delivery. The HERO 6000 product enables both Live and File workflows and delivers content to over 400 million multiscreen subscribers worldwide. Media Excel's five 9s reliability powers the 24x7, mission critical deployments of Fortune 500 companies and global brands in Broadcast, Cable, Satellite, IPTV, Pay TV, OTT/TVE, Mobile and Government/DoD.

Key features

- Superior Visual Quality with the Best Performance and High Density
- Hybrid Software and Hardware encoding solution with CPU, GPU and SoC
- Up to 150% higher performance than HERO's predecessor
- Ultra Low latency e2e Mode for OTT
- Support All Major Video/Audio Codecs
- Support mobile to 8K resolutions encoding
- Hybrid Adaptive Bitrate Outputs with multiple protocols and multiple simultaneous publishing points
- Content-aware Adaptive bitrate control (CABR) for optimal use of bandwidth
- Native ad insertion/signaling and DRM integration
- Output synchronization from multiple camera inputs
- Comprehensive High Availability : Input, service and platform level redundancy (N+1, N+M, 1+1)
- Multichannel UHD 4K OTT encoding/transcoding
- Flexible workflow - switchable between Live & File mode

- Reliable transport with SMPTE 2022 FEC & SRT*
- Powerful API set for easier integration with ecosystem partners
- Seamless Form Factors and Flexible deployment options (appliance, VM, docker)
- Interoperability with Azure Amazon, Akamai, USP, etc.

Applications

- Multi-resolution, multi-codec, multi-rate for adaptive delivery
- 24x7, on-demand live and event-based services
- Hybrid linear TV services: Cable, Satellite, IPTV, OTT
- High performance encoding/transcoding farms
- On-premise, Virtual, Cloud and Hybrid deployments
- Ultra low latency distribution for OTT
- Synchronized Output from multiple camera inputs