

# HERA 3200f

## Digital Media Transcoder

Digital Media Transcoder Appliance for adapting digital media for broadcast production workflows and Video-on-Demand services. Designed to meet rapidly evolving market demands for delivering high-quality compressed video files for distribution over Digital Broadcast TV & IP networks. HERA 3200f is a carrier-grade appliance designed to be high-speed, flexible, configurable, customizable, scalable and upgradeable so that content owners, service operators, and content aggregators can deploy services organically.

### Highlights

- ✧ Telco grade transcoding appliance natively accepting MXF files from Network Attached Storage, Storage Area Networks and Content Servers.
- ✧ Superior broadcast level video quality; up to 10x performance improvement compared to x86-based solutions.
- ✧ Wide standards support. MXF, IMX50, QuickTime, Avid/Pinnacle, Flash 8 (VP6), Flash 9 (H.264), Omneon, WM9, 3GPP.
- ✧ NTSC/PAL—PAL/NTSC Transcoding. Closed Caption Encoding/Extraction.
- ✧ A/V Truncation, Extraction AIFF/WAV, Quality Reporting
- ✧ Maximum flexibility: Multi-codec, multi-file input/output, multiple software configurations (IPTV, Web TV, MobileTV) in one device.
- ✧ Reliability & density: Fully redundant, auto-failover, remotely configurable.
- ✧ Cost effective. Substantially low total cost of ownership.

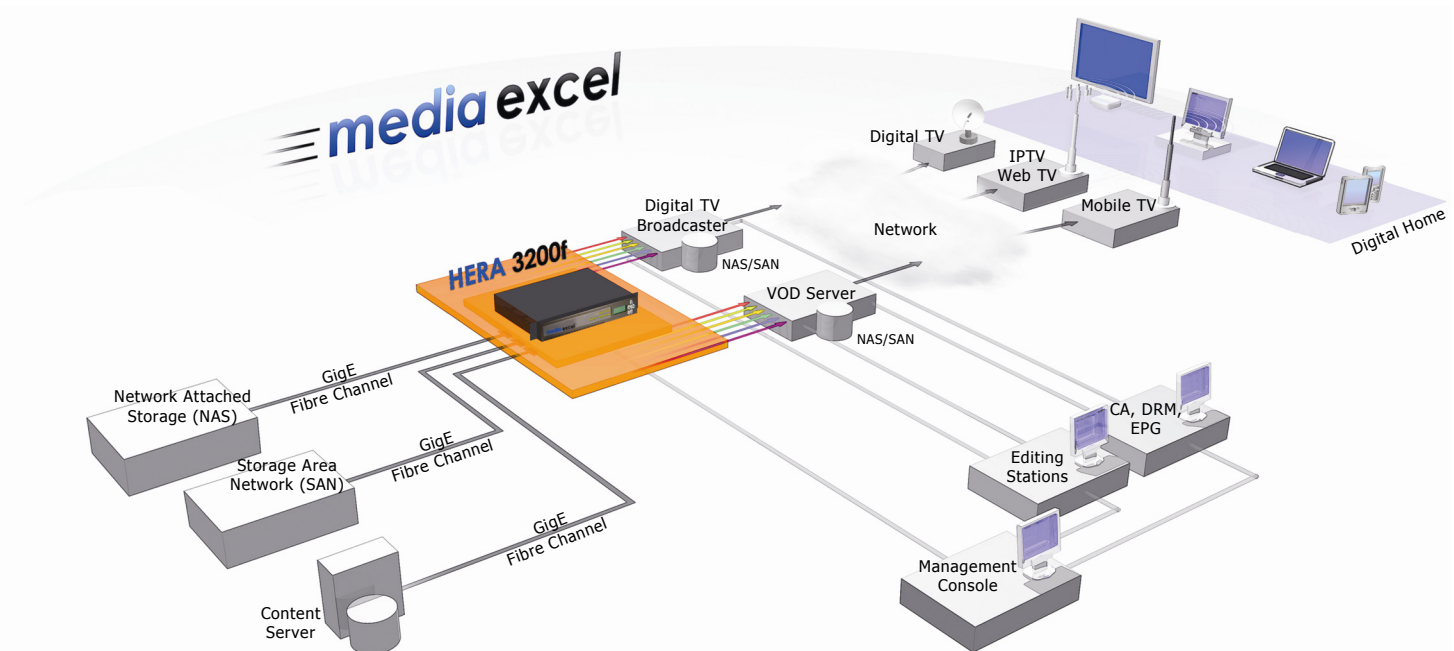


### Applications

- ✧ Content Adaptation for Video-On-Demand Services in IPTV, Mobile TV and Digital Broadcast TV.
- ✧ Digital Media Repurposing for Broadcast Production Workflows.
- ✧ Digital Libraries and Asset Management Systems Migration.
- ✧ User-Generated-Content Adaptation.
- ✧ Time-sensitive Transcoding Tasks Acceleration.

### Benefits

- ✧ High-speed Video Compression Engine.
- ✧ Affordable Multi-Functional Solution.
- ✧ Short Time to VoD Market.
- ✧ Central Management and Monitoring.



# HERA 3200f Technical Specifications

## Inputs:

Interfaces	Gigabit Ethernet Fibre Channel I/O SDI (SMPTE 259M) 625/525 with embedded audio
Storage Systems	Network Attached Storage (NAS) Storage Area Networks (SAN)
Media Format	SMPTE D-10 MXF Op1a Essence (SMPTE 356M) MPEG-2 TS/PS (ISO/IEC 13818-1, ISO/IEC 11172-1) MPEG-2 MP@ML (Standard Definition) Apple QuickTime Movie MPEG-IMX Apple QuickTime AVID Meridien MPEG-1 Audio Layers I, II & III AC-3 Audio (pass-through)

## Outputs:

Media Format	MPEG-4 - mp4 format (ISO/IEC 14496-1) SMPTE D-10 MXF Op1a Essence (SMPTE 356M) H.264/AVC (ISO/IEC 14496-10) - Baseline/Main Profile 3GP (ISO/IEC 14496-14:2003) Pinnacle Media Stream Flash 9 (H.264) Flash 8 (VP6) (Q2) VC-1, Window Media 9 (Q2) AAC/AAC-HE - Advanced Audio Coding (MPEG2, MPEG4)
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## Transcoding Features:

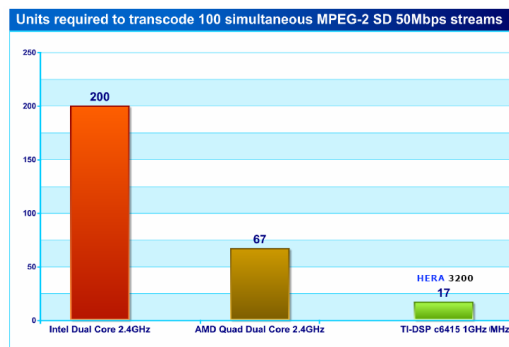
Video	Bit Rates: 16 Kbps – 50 Mbps Frame Rates: 1 – 60 Hz Resolutions: SQVGA (160x120), QCIF (176x144), QVGA (320x240), SIF/CIF (352x240/288), VGA (640x480), Full D1 (Standard Definition) or custom size Bit Rate Control: CBR, VBR, Adaptive Configurable motion search range Multiple reference frames with quarter-pel search CAVLC / CABAC, Interlace support, B frame support Enhanced scene-change detection logic De-blocking & noise reduction filters Aspect ratio conversion, Scaling, Cropping
Audio	MPEG-4 ISO/IEC 14496-3 GA (General Audio) AAC (Advance Audio Coding), MPEG2 and MPEG4 Profiles: LC (Low Complexity) and HE (High Efficiency) ADTS header format, LATM packetization Adaptive Multi-Rate - AMR (3GPP TS 26.071) ADTS header format, LATM packetization Bit Rates: 8 – 288 Kbps Sampling Rates: 8, 11, 16, 22, 32, 44.1, 48 KHz Bit Rate Control: Constant and Variable bit rate control
Tools	Metadata preservation Audio extraction Analog and digital closed captioning extraction (WC3 TT, SCC, SAMI) Folder Monitoring Proxy file generation Quality Control Reporting Darwin Streaming Server & Flash Media Server support

## System Configuration:

Management	SNMP v.2 alerts / traps / remote control Web Management Console Auto-failover XML-based profiles SDK for integration with custom applications SOAP layer (.NET v.3.0)
Form Factor	Rack, Steel chassis 2U (89mm)H, 19" (482.6mm)W, 20" (508mm)D Weight: 33 lbs (15Kg)
Transcoding Module	max three
LCD Panel	2 x 16 character LCD control panel with backlight 6 keys mini keyboard
I/O Connectors	Gigabit Ethernet Gbps Fibre Channel SDI (SMPTE 259M) BNC
Power supply	Dual AC: 90-264V / 47- 63Hz, 250W
Cooling system	Chassis: 2 x 40x40 mm fans CPU: 1 x 60x60 mm fan Power Supply: 1 x 40x40 mm fan
Environmental	Operating Temperature: 0 to 50° C, 32 to 122° F Storage Temperature: -20 to 65° C, -5 to 150° F Humidity: 5 to 90 % Shock: 10G / 11ms in all axis Vibration: 0.8G / 5 to 100 Hz
Electromagnetic Compatibility	CE compliance, UE 89/336/EEC EN61000-6-2, EN55022, EN55024
Safety Approval	UE 73/23/EEC EN60950: 2000

## Available Configurations

- HERA 3200f:** Gigabit Ethernet only
- HERA 3300f.f:** Fibre Channel I/O (2U)
- HERA 3300f.s:** SDI (SMPTE 259M) input (2U)
- HERA 3300f.fs:** Fibre Channel I/O, SDI input (2U)



Specifications subject to change without notice.