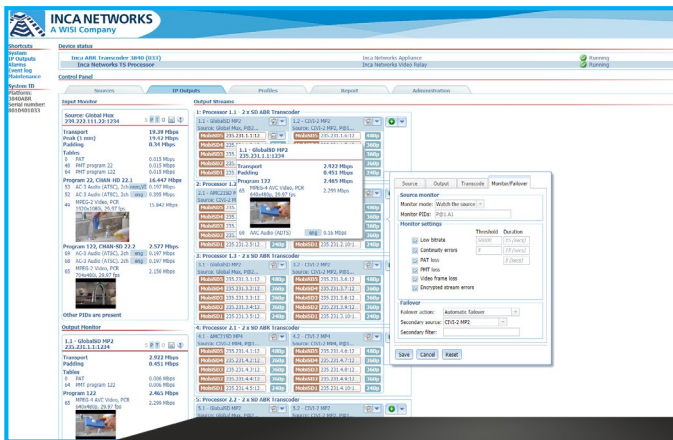




Inca Adaptive Bitrate Transcoder 3840

ABR Transcoder with Market-Leading Cost per Stream

- ✓ Predictable performance and consistent density
- ✓ MPEG-4 AVC & MPEG-2 sources MPEG-4 ABR outputs
- ✓ Award-winning VidiOS™ stream monitoring & analysis
- ✓ Transcode up to 24x HD or 48x SD to frame-aligned profiles
- ✓ Professional technical support team
- ✓ Power efficient with less than 200 W per chassis



Rapid configuration and deployment with powerful VidiOS™ tools

Deliver beautiful video with a field-proven transcoding engine

Save upfront on capital costs and 'pay as you grow' licensing model



Applications

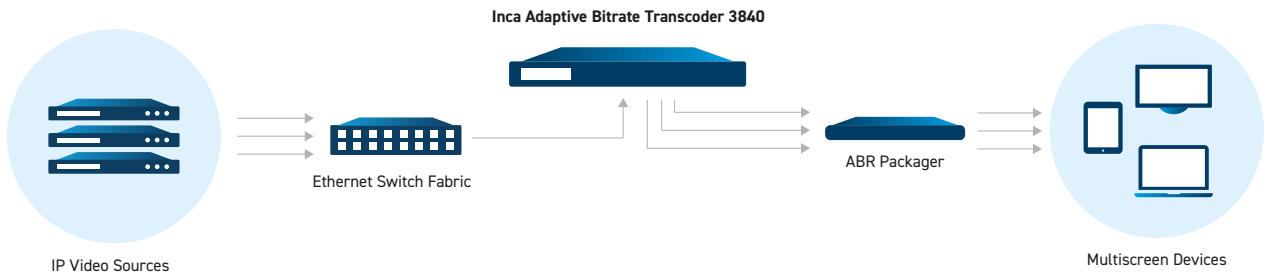
- ✓ Launch new live OTT services, eliminate set-top boxes and expand your subscriber base beyond your existing distribution network.
- ✓ Deliver IPTV services to networks where multicast delivery is not possible; for example, over leased DSL facilities.
- ✓ Seamless integration with Inca Multiscreen Package & Origin 5420ABR or 3rd party packagers.
- ✓ Enjoy peace of mind with intelligent redundancy options like automatic source failover, power and chassis redundancy.
- ✓ Experience powerful VidiOS™ with inbound and outbound video thumbnails, stream capture and download, statistical analysis and event logging.
- ✓ Enjoy full headend visibility and mosaic overview with Inca All Seeing Eye integration - monitor all ABR profiles from each source.



Inca Adaptive Bitrate Transcoder 3840

ABR Transcoder with Market-Leading Cost per Stream

Carrier-Grade Transcoding for ABR Applications



Technical Specifications

Transport Stream Processing	
Inputs	SPTS/MPTS MPEG-2 Transport Stream Multicast / Unicast UDP IP
Outputs	SPTS MPEG-2 Transport Stream Multicast / Unicast UDP IP Multiple frame-aligned ABR streams per program
Input and Output Video Codecs	MPEG-2 (input only) and MPEG-4 AVC, 4:2:0
Transport Stream Optimizations	PID and Program Filter and Remap
Transport Modes	Constant, Peak Variable
Closed Captions	EIA 608/708 passed through if present in source
DVB Subtitle Burn In	Select by language
DVB Subtitle PID	Passed through if present in source (can be filtered out)
SCTE 35 Ad Markers	Passed through if present in source

Video Transcoding	
Transcode Processors	12x transcode processors per chassis License each processor individually for HD or SD sources
Transcode Processor License	Each transcode processor can be licensed individually to transcode either: <ul style="list-style-type: none"> • 2x HD sources to 4x ABR profiles • 4x SD sources to 2x ABR profiles Additional profile licenses available including 1080p30 - ask your sales rep.
Additional 3840x Model	Bundled with 12x transcode licenses for 12x HD (top profile of 1080p30 or 720p60) or 24x SD

Audio Transcoding (optional - licensed per stream)	
Source Audio Codecs	AC-3, EC-3, AAC (ADTS & LATM), MPEG 1/2 Audio Layer I/II
Source Audio Channels	7.1, 5.1, 2.0, 1.0
Output Audio Codecs	AAC-LC, HE-AAC, HE-AAC v2
Output Channels	2.0, 1.0
Audio Processing	Nielsen watermark extraction and ID3 tags insertion

Management & Monitoring	
Configuration	Powerful VidiOS™ web-based user interface
Visual Mosaic Monitoring	Compatible with Inca All Seeing Eye monitoring product - All Seeing Eye probe capability included
SNMP	SNMP Trap Forwarding

Network Interfaces	
Management	1000 Base-T
Video	4x 1000 Base-T
NIC Redundancy	LACP, Active Failover, Round Robin

Intelligent Redundancy Options	
Automatic Service Failover (optional, licensed per transcode)	Automatic failover to backup source Automatic recovery to primary
N+1 Chassis Redundancy (optional)	Automatic failover to spare chassis Automatic recovery to primary chassis

Physical	
Mounting	19", 4 Post Rack, 1RU Slide rails included
Dimensions	438 x 44 x 525 mm / 19" x 1.75" x 20.7"
Rack Rail Depth	620 - 805 mm / 24.4" - 31.8"
Weight	15 kg / 33.1 lb
Operating Temperature	0 ~ 40 °C

Power	
Type	Dual redundant hot swap
Input	100 ~ 240 VAC @ 50 - 60 Hz
Power	<200 W Typical

Regulatory Compliance	
EMC Standards	FCC Part 15 Class A
Safety Standards	CSA/UL 60950-1

To arrange an online demonstration or to discuss your project,
please send a request to sales@wisi.tv