

MODEL MULTISCREEN LAUNCH PLATFORM

POWERED BY
KATAMARAN™



Inca Networks
Intelligent Video Delivery



- ✓ High-density 1 RU Transcoder, Packager and Origin Server
- ✓ Source Audio: Dolby AC-3, AAC, MPEG
- ✓ Award-winning VidiOS™ Stream Analysis
- ✓ Output Audio: AAC
- ✓ Apple HLS - HTTP Live Streaming
- ✓ 2 Gbps of output bandwidth
- ✓ Redundant power supplies

- ✓ Serves 500 HLS clients at 4 Mbps each via embedded Origin Server
- ✓ Transcodes 12 HD or 24 SD sources to Multi-Bitrate profiles
- ✓ Supports All Seeing Eye™ monitoring



The **Inca Multiscreen Launch Platform** is an all-in-one carrier-grade transcoder, live-streaming packager and origin server for high-value Internet video services. Transcode, segment and package up to 12 HD or 24 SD sources into HLS and serve up to 2 Gbps to downstream client devices. This affordable and efficient 1 RU solution includes automatic packager configuration for simple set-up.

Deployment Scenarios

- Headend IPTV multiscreen deployments
- Satellite distribution replacement
- Hospitality applications

Product Highlights

- ✓ Transcode and stream live content on your network to set-top boxes, TVs, smartphones and tablets
- ✓ Automatic playlist configuration
- ✓ Receive off-air sources using optional built-in tuners and deliver them to multiscreen devices
- ✓ Enjoy powerful VidiOS™ management and troubleshooting tools with video thumbnails, stream capture and download, extensive statistical analysis, and transport stream event logging
- ✓ Experience streamlined OTT deployment



Technical Specifications

Hardware Transcoding and Packaging	
Hardware Transcoding	Multi-bitrate Profiles Up to 12x HD sources to 4x ABR profiles Up to 24x SD sources to 2x ABR profiles <i>Various combinations of HD and SD sources are possible, please enquire</i>
Source Stream Format	SPTS/MPTS MPEG-2 Transport Stream
Source Video Codecs	MPEG-2 and MPEG-4 AVC, 4:2:0
Output Video Codec	MPEG-4 AVC
Source Audio Codecs	AC-3, EC-3, AAC (ADTS & LATM), MPEG 1/2 Audio Layer III
Source Audio Channels	7.1, 5.1, 2.0, 1.0
Output Audio Codec	AAC-LC, HE-AAC, HE-AAC v2
Output Audio Channels	2.0, 1.0
Output Streaming	Playlist and Segmentation for HLS Delivery to ABR-capable Set-top Boxes, TVs, Smartphones, Tablets HTTP Live Streaming up to 2 Gbps
DVB Subtitle Burn-in	Select by language

8VSB Off-Air Reception (optional)	
Tuners	4 or 8, ATSC OTA tuner, individual F-connector

Physical	
Mounting	19", 4 Post Rack, 1 RU
Dimensions	431 x 44 x 468 mm
Weight	7 kg
Operating Temperature	0 ~ 40 °C

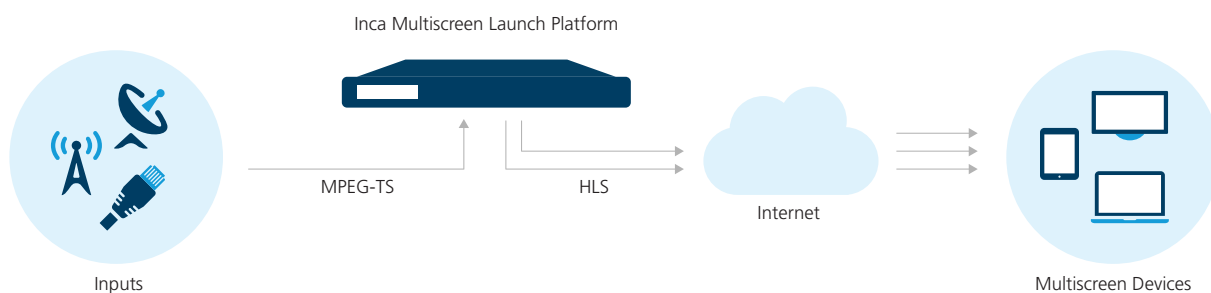
Service Failover (optional)	
Service Failover	Automatic service failover to backup source
Licensed per output	Automatic recovery to primary source Monitor up to 6 parameters in primary source User configurable parameter and duration thresholds

Management and Monitoring	
VidiOS™ Web-Based User Interface	
Automatic Playlist Configuration	
Inca All Seeing Eye Compatible	
SNMP Trap Forwarding	

Network Interfaces	
Management	1000 Base-T
Video	7x 1000 Base-T
HLS output	Any network interface
NIC Redundancy	LACP, active failover, round robin

Power	
Input	100 ~ 240 VAC @ 50 - 60 Hz
Power	<120W Typical
Redundancy	2 hot-swappable AC power supplies

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



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