



# Inca Multiscreen Packager & Origin Server 5420 ABR Deliver Adaptive Bitrate Video to Multiscreen Devices

- ✓ Carrier-grade live streaming packager and origin server
- ✓ Segment and package multiple video streams into HLS
- ✓ Support for up to 100x ABR bitrate profiles
- ✓ Deliver frame-aligned HD and SD streams to multiscreen devices
- ✓ Easy set-up with intuitive drag-and-drop playlist builder
- ✓ Award-winning VidiOS™ stream monitoring & analysis

Reach large numbers of subscribers using the 5420 ABR as an origin server to feed a cache or a content delivery network.



Pair with an ABR transcoder to deliver linear services over the internet, including the Inca Modular Series 4400 or the Inca Adaptive Bitrate Transcoder 3840.

Enjoy powerful VidiOS™ analysis of inbound streams, with video thumbnails, and extensive statistical analysis.



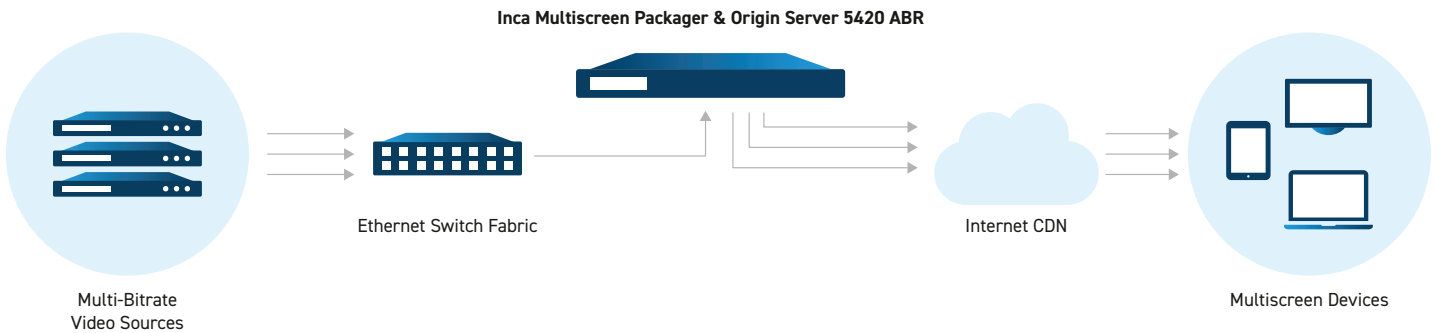
## Applications

- ✓ Stream live content directly to multiscreen subscribers in a campus, arena, hospital or smaller network settings.
- ✓ Stream over-the-top to set-top boxes, TVs, smartphones and tablets using HTTP Live Streaming (HLS), the most popular adaptive bitrate multiscreen protocol.
- ✓ Combine with WISI Tangram or Chameleon headend video platforms & Inca transcoders to receive off-air or satellite sources and serve them to downstream client services.
- ✓ Efficiently create content packages using the 5420 ABR's drag-and-drop playlist builder, powered by award-winning VidiOS™.



### Package Adaptive Bitrate (ABR) Video And Serve Over The Internet To Multiscreen Devices

HD and SD MPEG-4 AVC Video Payload · Outputs Frame-Aligned HLS Streams · Adaptive Bitrate



## Technical Specifications

Transport Stream Processing	
<b>Source Streams</b>	100x ABR bitrate profiles (SPTS MPEG-2 transport streams) HD & SD MPEG-4 AVC (H.264) video payload AAC (LC or HE) audio payload Multiple frame-aligned adaptive bitrate streams per program Multicast/Unicast UDP IP
<b>Analysis</b>	MPEG-2 transport stream view Thumbnail images Transport, program and individual PID bitrates Transport stream peak and average bitrates Multiplex, program & individual PID error detection

Multiscreen Delivery	
<b>Playlist</b>	Drag and drop playlist builder Downloadable playlist and stream URLs 1800 simultaneous clients @3 Mbps
<b>Delivery</b>	Playlist and segmentation for delivery to ABR-capable set-top boxes, TVs, smartphones & tablets
<b>Protocols</b>	HLS Version 3

Network Interfaces	
<b>Management</b>	1000 Base-T
<b>Video Network Interfaces</b>	7x 1000 Base-T Stream up to 800 Mbps per GigE interface

Management	
<b>Configuration</b>	Powerful VidiOS™ web-based user interface
<b>Visual Mosaic Monitoring</b>	Compatible with Inca All Seeing Eye monitoring product - All Seeing Eye probe capability included
<b>SNMP</b>	SNMP trap forwarding

Power	
<b>Type</b>	Dual redundant hot swap
<b>Input</b>	100 ~ 240 VAC @ 50 - 60 Hz
<b>Power</b>	<120 W Typical

Physical	
<b>Mounting</b>	19" 4 post rack, 1 RU Side rails included
<b>Dimensions</b>	431 x 44 x 468 mm 19" x 1.75" x 18.4"
<b>Rack Rail Depth</b>	558 - 927 mm 22" - 36.5"
<b>Weight</b>	7 kg / 15.4 lb
<b>Operating Temperature</b>	0 ~ 40 °C

Regulatory Compliance	
<b>EMC Standards</b>	FCC Part 15 Class A
<b>Safety Standards</b>	CSA/UL 60950-1
<b>Material Standards</b>	RoHS

To arrange an online demonstration or discuss your project, please send a request to [sales@incanetworks.com](mailto:sales@incanetworks.com)

