



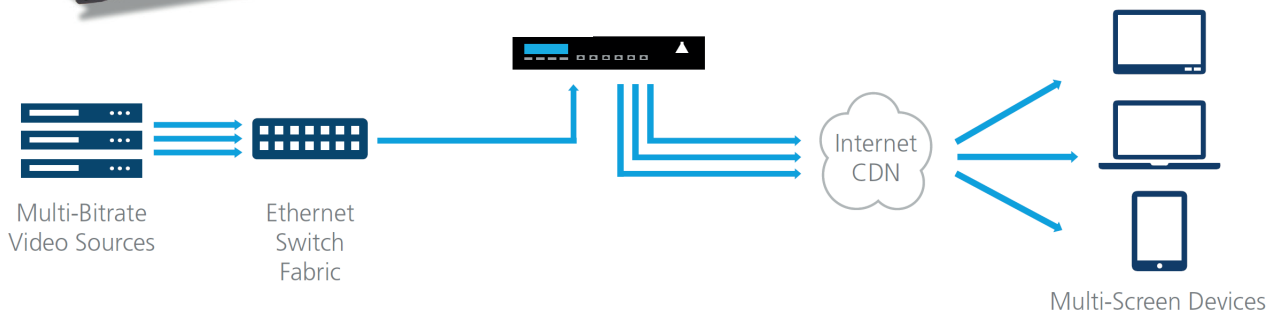
INCA 5420

WISI Inca Multiscreen Package & Origin

Affordably and reliably package and deliver over-the-top adaptive bitrate video to multi-screen devices

The Inca Multiscreen Package & Origin 5420 is a carrier-grade live streaming packager and origin server for high value Internet video services. It segments and packages multiple streams into the most popular adaptive bitrate protocols, in the clear or encrypted using third-party Digital Rights Management (DRM) vendors

- MULTI-SCREEN PACKAGER
- MULTI-SCREEN ORIGIN SERVER
- ADAPTIVE BITRATE STREAMING
- HLS, MPEG-DASH
- ADOBE® RTP
- MICROSOFT® SMOOTH STREAMING



Applications

- Reach large numbers of subscribers using the 5420 as an origin server to feed a content delivery network
- Efficiently create content packages using the 5420's drag and-drop playlist builder
- Stream live content directly to multi-screen subscribers in a campus or smaller network setting
- Enjoy powerful VidiOSTM analysis of inbound streams, with video thumbnails, stream capture and download, and extensive statistical analysis
- Combine with Inca's 4400 Modular Series and 8VSB Receiver front-end module to efficiently receive and transcode off-air sources and deliver them to multi-screen devices
- Stream over-the-top to set-top boxes, TVs, smartphones and tablets using HLS, MPEG-DASH, Microsoft® Smooth Streaming, Adobe® Flash or MPEG-TS
- Encrypt content for DRM using 3rd party key servers

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Technical Information

VidiOS™ Intelligent Transport Stream Processing	
Source Streams	<ul style="list-style-type: none"> - MPEG-2 SPTS Transport Stream on any Video Interface - 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
Analysis	<ul style="list-style-type: none"> - MPEG-2 Transport Stream View - Thumbnail Images - Transport, Program and Individual PID Bit Rates - Transport Stream Peak and Average Bit Rates - Multiplex, Program and Individual PID Error Detection

Multi-Screen Delivery	
Playlist	<ul style="list-style-type: none"> - Drag and Drop Playlist Builder - Downloadable Playlist and Stream URLs
Delivery	<ul style="list-style-type: none"> - Playlist and Segmentation for delivery to - Over-the-top Set-top Boxes, TVs, Smartphones, Tablets - CDN Integration
Protocols	<ul style="list-style-type: none"> - HLS - HTTP Live Streaming - MPEG-DASH - Microsoft® Smooth Streaming - Adobe® Flash RTMP and HDS - MPEG-TS
DRM	Optional DRM Encryption using 3rd party key servers

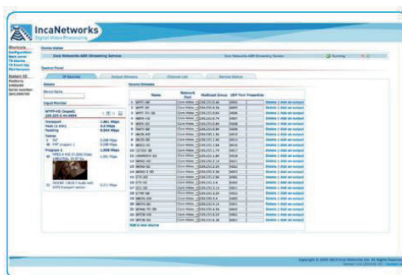
Management	
User Interface	Powerful VidiOS™ Web Based User Interface SNMP Trap Forwarding, LCD Panel
Stream Monitoring	Inca All Seeing Eye Probe Capability Included

Network Interfaces	
Management	1000 Base-T
Secondary Network	<ul style="list-style-type: none"> - Up to 7x 1000 Base-T for Video - Stream Up to 900 Mbps per GigE Interface - Optional 2x 10 Gb SFP+

Power	
Type	Dual Redundant Hot Swap
Input	100 ~ 240 VAC @ 50 - 60 Hz
Power	<120 W Typical

Physical	
Mounting	19", 4 Post Rack, 1 RU Slide rails included
Dimensions	431 x 44 x 468 mm 19" x 1.75" x 18.4"
Weight	7 kg / 15.4 lb
Operating Temperature	0 ~ 40 C

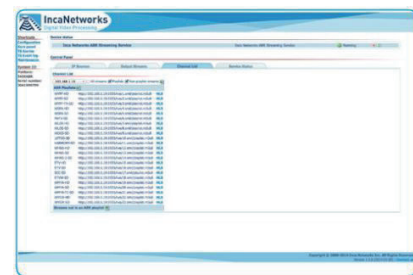
Regulatory Compliance	
EMC Standards	FCC Part 15 Class A



IP Sources



Output Streams



Channel List

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