WISI Provides End-to-End Video Delivery

The WISI and Inca product families encompass all the tools necessary to make commercial and local content available on any screen and any network.

> "
> Inca covers our needs from beginning to end. We've got the equipment that brings in raw content and converts it to IP. We've got the gear that takes that IP content and delivers it to our customers in a high-quality fashion. Inca's strength is definitely the superior quality of their end-to-end provisioning.
>
> **- Kevin Hamilton**
> **Central Office Supervisor**
> **Grafton Technologies**

RECEIVE & GROOM

- ASI/8VSB/QAM
- DVB-C/T/T2/S/S2/S2X/ ISDB-T
- GigE (copper or fiber)
- Demultiplex
- PID Filtering

TRANSCODE & ENCODE

- HEVC
- MPEG-4/AVC
- MPEG-2
- Baseband (HDMI/SDI/AV)

ABR/OTT MULTISCREEN

- ABR Transcode
- Package
- Origin

VIDEO DISTRIBUTION

- IP Transport/Routing
- Digital/Analog
- ASI/QAM/NTSC/PAL/ SECAM/ISDB-T/FM
- Encrypt/Decrypt
- Multiplex
- RTP+FEC

MONITORING & ANALYTICS

- VidiOS™ Analytic Tools
- Video Thumbnails
- Stream Capture
- Mosaic-View

Inca Product Family

Feature-Rich Linear and ABR IP Transcoder

Inca Modular Series 4400

- Transcode between HEVC, MPEG-4 and MPEG-2 in HD and SD
- Multiple 1RU chassis options for IP input and output
- Transcode, transrate or downscale up to 36x HD or 90x SD services

High-Density Adaptive Bitrate Transcoder

Inca Adaptive Bitrate Transcoder 3840

- Transcode up to 24x HD or 48x SD services to ABR profiles
- Supports MPEG-4/AVC & MPEG-2 sources to MPEG-4/AVC frame-aligned outputs
- Seamless integration with Inca & 3rd party packagers

Cost-Effective, High-Quality Linear IP Transcoder

WISI Blueline Transcoder Series

- Affordable MPEG-4/AVC or MPEG-2 IP linear transcoding in 1RU
- Field-proven, high-quality hardware transcoding engine
- Fixed density HD models for 12 and SD models for 24 services

All-in-One OTT Solution

Inca Multiscreen Launch Platform

- 1RU ABR transcoder with integrated packager and origin server
- Transcode up to 12x HD or 24x SD sources to multi-bitrate profiles
- Automatically package for HLS delivery

Live-Streaming Packager and Origin Server

Inca Multiscreen Package & Origin Server 5420ABR

- Carrier-grade live-streaming packager and origin server
- Segment and package multiple video streams into HLS
- Easy to integrate with any middle-ware provider

Award-Winning Visual IP Video Monitoring

Inca All Seeing Eye 5420

- Powerful visual monitoring of all video streams in your headend
- Mosaic view of video thumbnails
- Real-time colour-coding and email notifications to highlight impairments

Inca Modular Series 4400
High-Density Linear and ABR Transcoder

Profit From Using a Modular Platform and Add Capacity as You Grow

Experience professional video delivery in a reliable, carrier-grade 1RU solution with 24/7 support.

Hardware transcoding provides predictable performance and consistent density.

Enjoy peace of mind with N+1 chassis redundancy and intelligent stream redundancy options.

Future proof your network by adding new HEVC transcode module.

Increase visibility with VidiOS™ monitoring and troubleshooting tools - includes video thumbnails and stream downloads.

Inca Modular Series 4400

> " The Inca 4400 goes beyond anything I've seen with other transcoding products and Inca's customer support is second to none.
>
> **- Brian Mueller**
> **Network Operations Manager**
> **CoMo Connect**

Chassis Options

4410 Chassis

- ✓ 1 expansion module bay
- ✓ Up to 12x HD or 30x SD linear services
- ✓ Up to 24x ABR bitrate profiles
- ✓ 7 GigE video interfaces
- ✓ <120 W of power per 1RU chassis
- ✓ Single or dual redundant hot-swappable power

4420 Chassis

- ✓ 2 expansion module bays
- ✓ Up to 24x HD or 60x SD linear services
- ✓ Up to 48x ABR bitrate profiles
- ✓ 7 GigE video interfaces
- ✓ <120 W of power per 1RU chassis
- ✓ Dual redundant hot-swappable power

4430 Chassis

- ✓ 3 expansion module bays
- ✓ Up to 36x HD or 90x SD linear services
- ✓ Up to 72x ABR bitrate profiles
- ✓ 8 GigE video interfaces
- ✓ <250 W of power per 1RU chassis
- ✓ Redundant AC or DC power supplies, hot-swappable fans

Inca Adaptive Bitrate Transcoder 3840
High-Density ABR Transcoder

Launch Multiscreen at a Market-Leading Cost Per Stream

Save upfront on capital costs with the 3840 ABR's 'pay as you grow' licensing model.

Deliver beautiful video with a field-proven transcoding engine, validated against thousands of broadcast streams worldwide.

Plan your project with confidence. Hardware transcoding provides predictable performance and consistent density.

Features

- ✔ **Transcode up to 24x HD or 48x SD services to adaptive bitrate profiles**

- ✔ **Supports MPEG-4/AVC & MPEG-2 sources with AAC/Dolby audio to MPEG-4/AVC frame-aligned outputs**

- ✔ **Seamless integration with Inca and 3rd party packagers**

- ✔ **Powerful VidiOS™ with inbound and outbound video thumbnails and extensive statistical analysis**

- ✔ **Affordable fully loaded chassis with option to increase density using unique flexible licensing model**

- ✔ **Utilize Inca's intelligent redundancy options including automatic service failover and chassis-level redundancy**

Additional Model:
Inca Adaptive Bitrate Transcoder 3840x
Optimized for 1080p25 and 720p50

WISI Blueline Transcoder Series
Cost-Effective, High-Quality Linear IP Transcoder

Affordable Carrier-Class Product to Replace Unreliable & DIY Transcoders

Easy set-up with a web-based user interface.

Professional grade video transcoding with proven set-top compatibility.

Reduce risk with a robust linear transcoder jointly produced by WISI and Inca.

Quality engineering and support team ensures reliable operation with maximum uptime.

> **I haven't even had to look at it since I installed it. Talk about maintenance-free! The reliability of Inca products is second to none.**
>
> **- Mark Sellers**
> **Network Administrator**
> **Hamilton Telecommunications**

Features

- ✔ **Affordable MPEG-2 or MPEG-4 AVC IP transcoding in 1RU**
- ✔ **Field-proven, reliable hardware transcoding engine**
- ✔ **Fixed density HD models for 12 and SD models for 24 services**
- ✔ **Excellent combination of price, performance and predictable density**
- ✔ **Automated handling and recovery of impaired video sources**
- ✔ **Provides consistent density and performance, unlike software transcoders**

Inca Multiscreen Launch Platform
All-in-One OTT Solution

High-Density 1RU Transcoder, Packager and Origin Server

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

Package ABR Video and Serve Over the Internet to Multiscreen Devices

Inca All Seeing Eye 5420
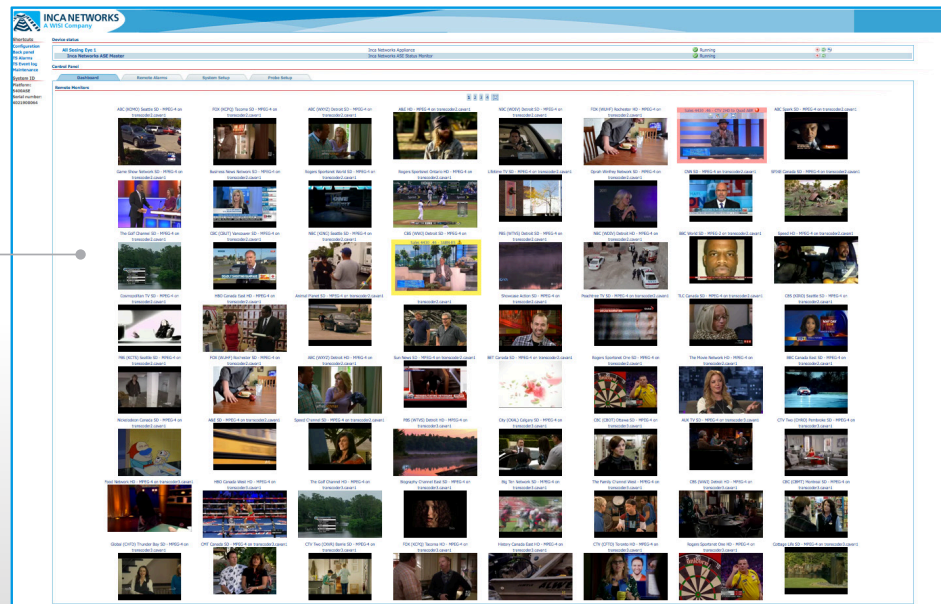## *Award-Winning IP Visual Video Monitoring*

Confidence Monitoring of all Video Streams in Your Headend

"

Inca's analyzing tools are highly superior - an outstanding first line of defense. The All Seeing Eye enables us to monitor everything that is happening in our network, including streams generated by other equipment.

**- Ray Crabtree
CATV Operations
Volcano Communications Group**

Monitor all IP video services in your headend, including streams from 3rd party vendors.

Features

✔ **Mosaic view of video thumbnails**

✔ **Real-time colour-coding to highlight impairments**

✔ **Email alarm notifications**

✔ **Monitor locally and remotely using any web browser**

✔ **Detailed transport stream statistics including PIDs and bitrates**

✔ **Monitor continuity errors, low bitrate, encrypted stream errors, missing PAT, missing PMT and video frame loss**

Powered by VidiOS™ Intelligent Video Delivery - supports HD and SD MPEG-4/AVC and MPEG-2 streams.

Compatible with the Inca product family, and WISI's video headend products Tangram and Chameleon.

Contact us today.

To discuss your project or book a product demo,
email: export@wisi.de

To download datasheets and diagrams,
please visit katalog.wisi.de

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INCA NETWORKS
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