

# About Us



## igolgi History - About Us

Founded in 2008 by Jeff Cooper and Dr. Kumar Ramaswamy

igolgi is an engineering and development company. Our engineering staff has years of experience in every type of compression encoding and transcoding technology, and we are experts in software control and interface. Our principal engineers hold over 200 patents in compression related projects. For over a decade we have provided innovative, flexible, and high-quality solutions for the broadcast, cable, LPTV and government markets.

From HDTV, social media streaming, smart devices, and interface to cloud and third-party applications, igolgi provides the most innovative, flexible, and robust solutions available today, with easy expansion and upgrade capabilities for the future.

igolgi serves customers world-wide with all design, manufacturing, and support facilities located in the USA.

Any other wiz bangey facts, products, customers etc?

Offices in Princeton, NJ, Barrington, IL, Barcelona, SP

## StreamEngine is based on igolgi custom **iLux File** hardware

As your StreamEngine use grows at some point you might want to consider adding **iLux File** to your local network.

## iLux | **File** - Convert File Based Content to Linear or Adaptive Bitrate Formats

Effortlessly convert studio masters with igolgi's iLux File processing platform, designed for superior video quality and minimal bandwidth usage. Integrated with asset management and storage solutions, iLux File ensures seamless, scalable, and reliable file-based video processing and publishing. Experience unmatched efficiency with robust failsafe mechanisms, flexible scheduling, and comprehensive management tools for uninterrupted operations.



*Depending on configuration a 2 RU chassis may be provided.*

## iLux | **Broadcast** - Advanced ATSC 1.0 Encoding Platform

Experience unparalleled broadcast quality with igolgi's iLux | Broadcast, the ultimate ATSC 1.0 encoding solution. Featuring top-tier MPEG2 Encoding and flexible interface support, iLux effortlessly scales to meet your HD and SD channel needs. With comprehensive features like EAS integration, CALM audio control, and dynamic PSIP, iLux ensures superior video quality and reliability at the best price.



**Fastest** Throughput. Highest Video **Quality**. Most **Flexible**.

## iLux | **ATSC 3.0** - NextGen Pro Encoding Platform

Simplify ATSC 3.0 deployment with igolgi's iLux Broadcast NexGen Studio Platform, integrating encoding, signaling, delivery services, and broadcast gateway. Support up to 8 HD streams, deliver DASH-packaged streams, and integrate essential services like Electronic Service Guide and emergency announcements. With exceptional video processing, advanced algorithms, and a unified user interface, iLux offers the highest quality, most flexible solutions at the best price, all designed and supported in the USA.



**Fastest Throughput. Highest Video Quality. Most Flexible.**

## **iLux | XScale** - Mixed H264 & MPEG2 Increase Density up to 24 Channels

Unlock double the channel capacity with igolgi's iLux ATSC 1.0 XScale, a versatile encoder supporting H.264 and MPEG2. Seamlessly mix and match MPEG2/H.264 channels for unparalleled video quality and expanded channel support. XScale ensures effortless configuration and superior performance, offering complete ATSC 1.0 broadcast solutions at the best price point.



**Each channel in the multiplex can be configured as MPEG2 or H.264 for maximum flexibility for broadcasting.**

## **iLux | Mini** - Low Power TV Broadcasting

Experience exceptional low-power TV broadcasting with igolgi's iLux | Broadcast Mini, a compact, high-quality, and cost-effective ATSC 1.0 encoding solution. Designed for the ATSC Repack, it supports up to four HD/SD programs with superb MPEG2 encoding and flexible interface options. Featuring complete broadcast station solutions,

including Program Guide, EAS integration, and dynamic audio control, iLux Mini ensures optimal video quality and seamless scalability at the best price.



## **iLux | Live** - Live Transcoding

Simplify live video encoding and transcoding with igolgi's iLux-LIVE, offering top-notch video quality and ultra-dense, low-power hardware. Supporting up to 160 HD channels per 1 RU and the latest codecs (H.264, HEVC, AV1), iLux-LIVE ensures outstanding video at minimal bit rates. Trusted for over 15 years, this versatile, software-defined platform features easy setup, advanced encoding technology, and seamless integration with third-party packagers for a future-proof, cost-effective solution.



## **Blazar** - Just-in-Time High Speed Transcoding up to 100x Faster

Streamline your transcoding workflows with igolgi Blazar, designed for high-speed bulk transcoding, just-in-time transcoding, and live dynamic ad insertion. Blazar offers exceptional speed, converting a two-hour movie in just one minute, and supports on-the-fly ABR profile generation. Its scalable architecture and proprietary software ensure unmatched video processing and flexibility, making it perfect for SVOD and cloud DVR applications.



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