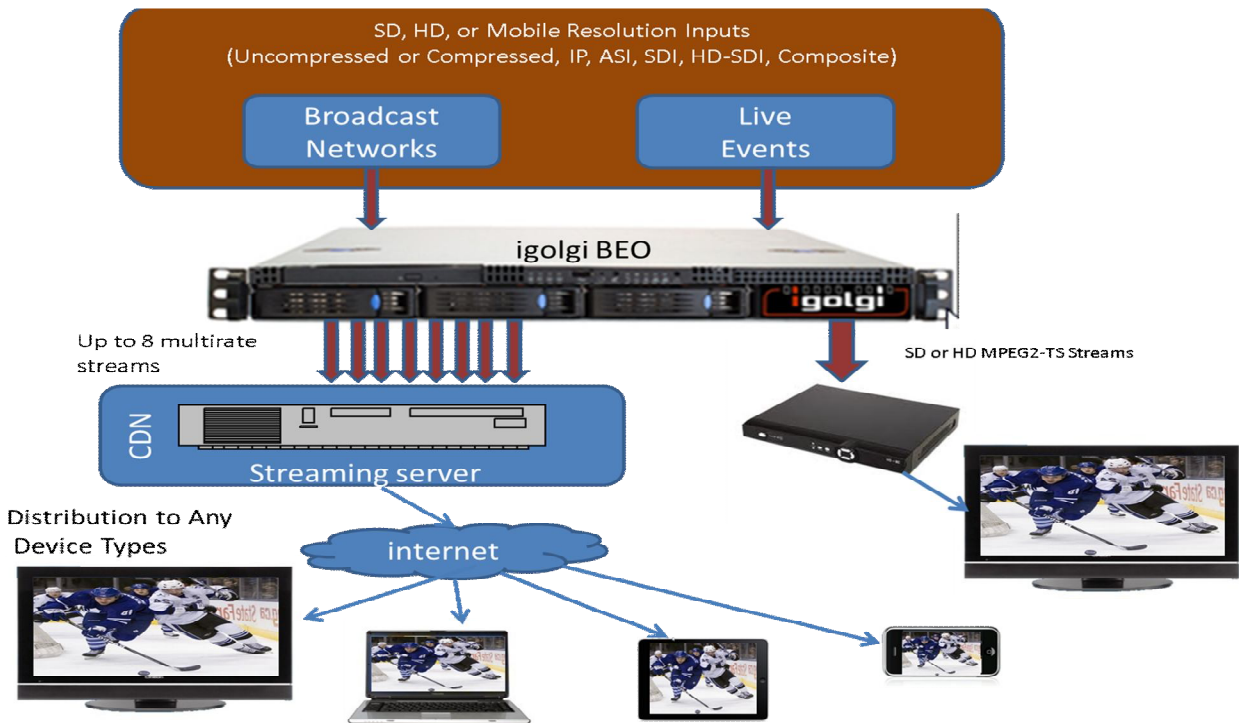


BEO – Live SD/HD 2-Pass Encoder Feature Rich Live Encoding and Internet Distribution Solution



To transfer video content from any source and onto the internet, there is no simpler, higher video quality solution than the igolgi BEO product family.

BEO provides a compact solution that sets up in minutes for any Live Event such as Web Streaming, Government, Education, Religious Programming, and Corporate applications.

igolgi's advanced H.264 encoding technology provides professional quality video with 2-pass encoding algorithms creating outstanding video at the lowest possible bit rates, saving bandwidth and cost for CDN hosting and distribution.

Compatible with all media server solutions such as Wowza, Microsoft IIS and Adobe FMS.

KEY Features

- Uncompressed or compressed input
- SD and HD Formats
- H.264 or MPEG2 Full 2-Pass
- H.264 Super Low Delay Mode
- Adobe Flash Adaptive Streaming
- Apple HTTP Dynamic Streaming
- Microsoft Smooth Streaming
- Compatible with Wowza Media Server, MSFT IIS, and Adobe FMS
- File Archival for backup and uploads
- Multi-Resolution
- Multi-channel Audio support
- MCTF De-interlacing for highest video quality
- Audio volume control (option)
- Pro MPEG FEC COP3(option)
- Single and Multi-channel Solutions
- Web Interface for easy setup
- Independent controls for resolution, bitrate, and frame rate per stream

SPECIFICATIONS:

	BEO Product Family			
	Standard Definition		High Definition	
Beo Model Number	BEO SD 1001/1002/1004/1008	BEO SD 2001/2002	BEO HD 5001/5002	BEO HD 6001/6002
# Inputs	1/2/4/8	1/2	1/2	1/2
Real Time Inputs				
SDI input	✓	✓	-	-
Composite Input (PAL,NTSC)	✓	✓	-	-
HD-SDI Input	-	-	✓	✓
HDMI Input	-	-	option	option
IP Input (RTP/MPEG-TS or MPEG-TS)	✓	✓	✓	✓
ASI	option	option	option	option
Non Real Time Inputs				
MP4, FLV, F4V, YUV	✓	✓	✓	✓
Video Codecs				
H.264 Baseline Profile	✓	✓	✓	✓
H.264 Main Profile	✓	✓	✓	✓
H.264 High Profile	-	-	✓	✓
H.264 Super Low Delay Mode (all profiles)	option	option	option	option
MPEG2 Main Profile	✓	✓	✓	✓
Audio Codecs				
AAC-LC, AAC-HEV2	✓	✓	✓	✓
MPEG1-layer2 (MP3)	✓	✓	✓	✓
AC-3 passthrough	✓	✓	✓	✓
Video and Audio Processing				
resolution scaling with anti aliasing	✓	✓	✓	✓
cropping (manual) (AFD option)	✓	✓	✓	✓
De-interlacer (motion compensated 3 frame)	✓	✓	✓	✓
Frame Rate Conversion (50HZ to/from 60 Hz) (option)	option	option	option	option
Dynamic or Manual Noise Filtering	option	option	option	option
Audio Volume Control	✓	✓	✓	✓
closed captioning	✓	✓	✓	✓
Logo Insertion	option	option	option	option
Management and Control				
Web Interface - easy setup	✓	✓	✓	✓
Create customer channel profiles and presets	✓	✓	✓	✓
Integrated Video Monitoring	option	option	option	option
independent resolution, bit rate, & frame rate per stream	✓	✓	✓	✓
File Archive	option	option	option	option
File Upload to Secure CDN	option	option	option	option
Scheduling control	✓	✓	✓	✓
messaging and alerts	✓	✓	✓	✓
Streaming Formats				
Flash H.264 - RTMP (Wowza interop mode)	✓	✓	✓	✓
Apple H.264 - HTTP streaming with TS segmenting	✓	✓	✓	✓
Microsoft H.264 - Silverlight Streaming	✓	✓	✓	✓
Adaptive Mult-rate Streaming (Flash, Apple and MSFT)	-	✓	-	✓
MPEG-TS over IP or ASI (option)	✓	✓	✓	✓
File Mode (capture to File, CDN upload)	option	option	option	option
PRO FEC COP v3	option	option	option	option
Physical				
Dual Giga Bit Ethernet	✓	✓	✓	✓
Dual Power Supply (option)	option	option	option	option
HDD RAID for file archival (option)	option	option	option	option
120/240 V	✓	✓	✓	✓

AVAILABLE CONFIGURATIONS:

Number of Inputs	Input Resolution	Total Number of Output Streams	Output Resolution	Product Form Factor
1	SD	4	SD	1U
2	SD	8	SD	1U
3	SD	12	SD	1U
4	SD	16	SD	2U
6	SD	24	SD	2U
1	HD	4	SD	1U
2	HD	8	SD	1U
3	HD	12	SD	2U
4	HD	16	SD	2U
1	HD	4	HD/SD*	1U
2	HD	8	HD/SD*	2U
3	HD	12	HD/SD*	2U
4	HD	16	HD/SD*	2U

* Assumes that a maximum of one output stream per input stream is 720p30.
All other streams are of lower resolution