

IPERA XTREAM ENCODER

- **Real-time HD and SD live streaming encode and transcode**
- **Live encode for web, mobile, IPTV, and broadcast delivery**
- **Powerful transcoding software included for off-line file processing**



Ipera Xstream Encoder

The Ipera Xstream Encoder is a multi-format HD and SD streaming media encoder and transcoder running Ipera's Pixel Xstream[®] software with the ability to ingest and stream live video or IP sources. It can transcode and stream in real-time, save to a file, or both. It is ideally suited to meet the challenges of ingesting, repurposing and monetizing content for a variety of web, mobile, IPTV and broadcast applications.

Using Ipera's patented intelligent video enhancement tools, the Xstream Encoder can analyze source video and automatically remove noise, distortion, and artifacts that are the result of earlier compression attempts. It can boost visual quality with sharper contrast, improved brightness, vibrant color, and sharper edges and details. This allows you to minimize bandwidth usage while delivering superior visual quality at all bitrates to your web, mobile, or IPTV audience.

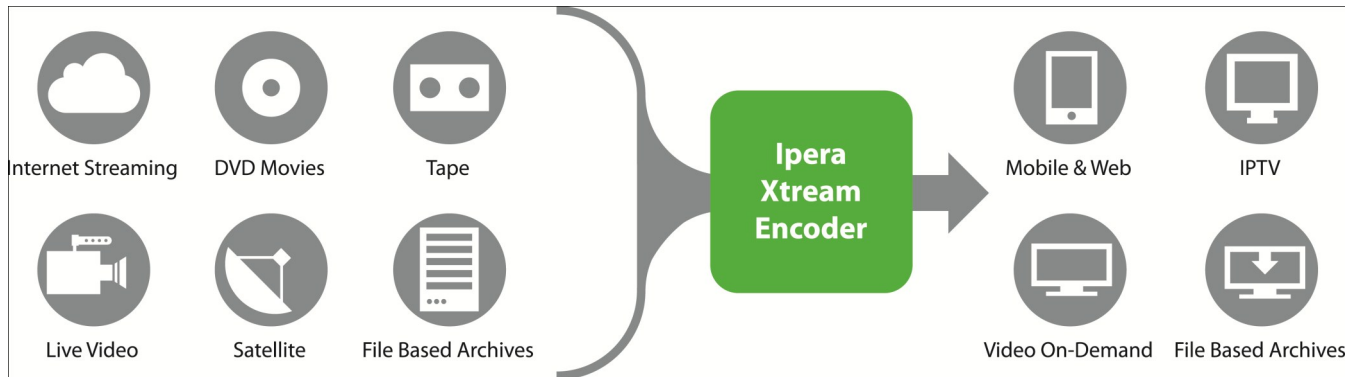
The Xstream Encoder is available in several configurations to allow cost effective scaling of the platform to meet specific needs.

Capture and stream a live video source, simultaneously ingest it to a file, or convert a single file into any number of target formats. The extremely low latency of the video enhancement tools enables an always-on adaptive enhancement mode, eliminating the need for manual adjustments as content changes while still delivering real-time performance.

The Xstream Encoder runs as a stand-alone system. Simple command scripting and an XML API allow a single encoder, or multiple systems comprising a very high capacity rendering "farm," to be integrated with and managed by a wide variety of third party applications.

KEY FEATURES

- Encode real time HD and SD video or IP streaming sources, or transcode from wide range of media file types.
- Publish to Windows Media Servers using either "push" or "pull" methods.
- Supports MPEG TS UDP stream for IPTV and broadcast publishing.
- Full support for HD and SD scaling and frame-rate conversion to/from broadcast, web, and mobile formats.
- Includes powerful motion compensating deinterlacing tools.
- Capture live sources to file.
- Support for broadcast formats, MXF, JPEG 2000 and DNxHD.
- Proprietary intelligent pre- and post-processing tools deliver high quality video from low quality sources.
- Automation tools allow hands-free operation. Defined API's support third-party integration.
- Save and reuse unlimited capture and transcode profiles.
- Create transcode watch folders to simultaneously accept content from multiple external systems. Publish output via FTP, or to network shared folders.
- Job queue management supports priority processing of the most important files.
- Intuitive user interface exposes important file format and video and audio codec settings.



XTREAM ENCODER CONFIGURATION OPTIONS

| Feature | Model L2200 | Model L2400 |
|-----------------------------|---------------|---------------|
| Ingest | | |
| Analog Input | • | <i>Option</i> |
| HD/SD SDI Input | • | • |
| HD/SD IP Stream Input | • | • |
| Output Stream / File | | |
| Mobile / Web | • | • |
| SD | • | • |
| HD | | • |
| MXF Support | <i>Option</i> | • |

TRANSCODING SOFTWARE FORMAT SUPPORT *

Video Codecs

- MPEG-1, MPEG-2, MPEG-4
- H.263, H.2.64, Flash
- Windows Media, VC-1
- DivX, XviD
- DV, DV25, DV50, DV100, DVCPPro, DVCPPro50, DVCPProHD
- JPEG 2000, D10/IMX, XDCam
- DNxHD
- RAW/RGB, YUV

Other

- Closed Caption support for MPEG-2 and H.264

Media Containers

- 3GPP, 3GP, 3G2
- MPG, M2V, MP4, M4V, FLV, F4V
- MPEG Transport Stream
- WMV, AVI, ASF, MOV
- MXF, MKV, VOB

Audio Codecs

- AAC, AAC+, AMR
- MP3, MPEG Layers 1/2
- Windows Media
- PCM, WAV
- AC3 Pass-through

* Some formats are only supported on input. Contact us for the latest format support list.

SYSTEM INFORMATION

Video Inputs

- HD/SD SDI (BNC)
- Analog - Composite, S-Video, Component
- IP UDP MPEG TS and WMV

Audio Inputs

- Embedded SDI audio
- Balanced stereo (2 x XLR)
- Unbalanced stereo (2 x RCA)

Connectivity

- USB
- Ethernet
- DVD Data Drive

Power Consumption

150 W, 100-240V, 50/60 Hz

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