

Pixel Xstream®

L2400 Streaming Encoder

Capture from Live or Recorded Video

- SDI and IP stream ingest
- HD 1080i, 1080PsF, 720p
- NTSC, PAL

Encode / Transcode and Stream

- Real-time output up to 1080p30 with MPEG-2 TS and WMV streaming
- Simultaneous output to file for future On-Demand use

High Volume, High Speed, Automated Transcoding

- Ingest User Generated Content and Professionally produced media files
- Deliver files to distribution servers and web publishing points

Intelligent, On-the-Fly, Adaptive Video Enhancement Engine

- Delivers superior video quality at reduced bit rates
- Monitors source video and applies enhancement filters when and as needed, to deliver optimal quality
- Patented, low latency, low overhead technology allows always-on operation

Extensive Format Support

- Ingests all popular web, mobile, and broadcast formats
- HD and SD
- Output H.264, Flash, MPEG-4/MP4, 3GP, MPEG-2 and WMV/VC-1
- PLUS optional MXF broadcast formats including JPEG 2000 and DNxHD

Powerful Tools Reduce Setup Times

- Intuitive user interface
- Simple access to codec settings
- Always-on, adaptive video enhancement mode
- Unique side-by-side preview
- Pre-defined profiles

Scalable from Single Server to Multi-Server Deployment

- Monitored and controlled with the optional NetCommander applications

Work Flow Integration

- Easily integrated using simple XML API and command script

Ingest, Encode, Transcode, and Stream live HD and SD video and file-based content

PLUS – intelligent, on-the-fly video enhancement optimized for video quality and performance



The **Pixel Xstream L2400** is an HD + SD streaming media encoder and transcoder with the ability to ingest live video, streams, and video files. It can encode and stream in real-time, save to a file, or both. It is ideally suited to meet the challenges of repurposing and monetizing content for a variety of web, mobile, IPTV and broadcast applications.

The **Pixel Xstream L2400** allows you to minimize bandwidth usage and deliver superior visual quality at all bitrates while automating ingest and delivery of content to new media platforms. Using Ipera's patented intelligent video enhancement engine, **Pixel Xstream L2400** analyzes the source video and automatically removes noise, distortion, and artifacts that are the result of earlier compression attempts. This results in lower bitrates while boosting visual quality with sharper contrast, improved brightness, vibrant color, and sharper edges and details.

The **Pixel Xstream L2400's** intuitive interface gives you complete control. 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 engine enables an always-on adaptive enhancement mode thereby eliminating the need for manual adjustments for scene changes or varying source video quality while still delivering real-time HD performance. Select from pre-defined job templates or create your own to specify capture and encode settings, video and audio processing functions, and delivery options. Project templates are easy to reuse, further automating production and improving efficiency.

Pixel Xstream L2400 will run as a stand-alone system or use Ipera's optional **NetCommander** application to manage multiple systems in a very high capacity rendering farm. It integrates easily into digital media workflows to effortlessly deliver better quality HD and SD video at the lowest possible bitrates.



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Pixel Xstream® L2200 Streaming Encoder

Features

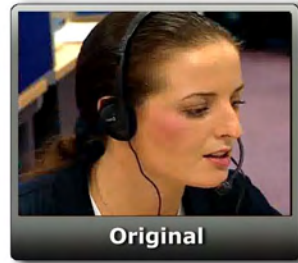
- Live streaming
- Stream from source files
- Capture/encode to files from live video
- Capture/encode to files from recorded inputs
- Capture/transcode to files from streaming video
- Archive to files during live streaming
- Transcode from source media files
- Proc amp controls, gamma correction
- Side-by-side Preview
- Motion compensated de-interlacing
- Frame size conversion
- Frame rate conversion
- Color space conversion
- Aspect ratio conversion
- PAL/NTSC conversion
- SD/HD conversion
- Logo/watermark insertion
- Open caption/Subtitle insertion
- Batch file processing
- Multiple target outputs
- Watch folder automation
- Settings templates for common targets
- Multi-pass VBR and CBR transcoding
- Direct DVD import

PLUS

Intelligent, adaptive video enhancement with always-on mode:

- De-blocking
- De-ringing
- De-mosquito
- Contrast and brightness adjustment and balancing
- Color and skin tone adjustment and balancing
- Edge and detail enhancement
- 3D noise reduction and removal

Pixel Xstream L2200 Streaming Encoder



- don't adapt to content changes and frequently degrade quality

Formats Supported

Input Video

- HD: 1080i60/59.94/50, 1080PsF24/23.976, 720p60/59.94/50
- SD: NTSC, PAL

Video Codecs

- MPEG-1, MPEG-2*, MPEG-4*
- H.263*, H.264*, Flash*
- Windows Media*, VC-1*, DivX, XviD
- DV, DV25, DV50, DV100, DVCPro, DVCPro50, DVCPro HD
- AVC-Intra, JPEG 2000*, D10 (IMX)
- DNxHD*, RAW/RGB*, YUV*

Audio Codecs

- AAC*, AAC+*, AMR*
- MP3*, MPEG Layers 1/2*
- Windows Media*
- PCM*, WAV

Media Containers

- 3GPP*, 3GP*, 3G2*
- MP4*, FLV*, F4V*, M4V
- MPEG-2 TS*, MPEG-2 PS, M2V
- WMV*, ASF, AVI*, MKV
- MXF*, MOV, VOB

* output supported

Inputs

Video

- HD/SD-SDI (BNC)
- Analog - Composite, S-Video, Component (single breakout cable supports all formats)

Audio

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

Connectivity

- USB** 2 rear panel 2.0/1.1 ports
- Ethernet** 1 RJ45 10/100baseT port
- Video** 1 VGA port

Hardware

- DVD** 1 DVD drive

Dimensions & Weight

- rack mount** 3RU x 19" W x 22" D
- weight** 35 lbs/16 kg

Power

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

Warranty

- 1 year limited hardware warranty

