

PIXEL XTREAM L2XXX APPLIANCE

- 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



Pixel Xstream L2xxx Appliance

The Pixel Xstream Appliance 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 Pixel Xstream Appliance can analyze source video and automatically remove noise, distortion, and artifacts that are the result of earlier compression and conversion operations. 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.

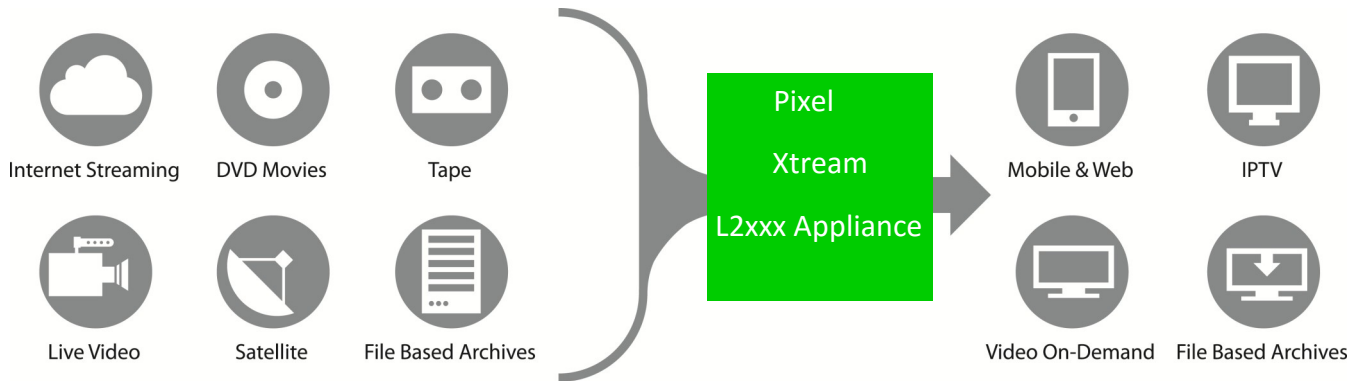
The Pixel Xstream Appliance is available in several configurations and form factors to allow cost effective scaling of the platform to meet specific needs.

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 Pixel Xstream Appliance 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 de-interlacing 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.



PIXEL XTREAM APPLIANCE CONFIGURATIONS

Feature	L2500	L2600	L2700	L2800
Ingest				
Analog Input		•		•
HD/SD SDI Input			•	•
HD/SD IP Stream Input	•	•	•	•
Output Stream/ File				
Mobile / Web	•	•	•	•
SD	•	•	•	•
HD	•	•	•	•
MXF Support	•	•	•	•

TRANSCODING SOFTWARE FORMAT SUPPORT *

Video Codecs

- MPEG-1, MPEG-2, MPEG-4
- Flash, H.263, S263, Intel H.263, H.264 (AVC)
- DVD/BD/AV
- AVC Intra, Pitch Blue, PathFire
- WMV v7, v8, v9, VC-1
- DV, DV25, DV50, DV100, DVCPPro, DVCPPro50, DVCPProHD
- MJPG, JPEG2000
- D10/IMX, Avid IMX
- XDCam, XDCam EX/HD 422
- DNxHD
- RAW/RGB, YUV
- HDV
- Apple ProRes, Apple RLE
- V210
- MPEG-2 Long GOP
- Real Video, Pinnacle DC 1000
- Indeo, Sorenson v1, v2, v3
- ATI Codec, Asus v1, v2
- ON2, Cinepack
- DivX v3, v4, XviD
- Matrox MPEG-2, VCR2

Other

- Closed Caption support for JPEG2000/ MXF, MPEG-4, MPEG-2 and H.264.

Media Containers

- 3GPP, 3GPP2
- MPG, M2V, M4V, FLV, F4V
- MPEG Transport Stream
- MPEG Program Stream
- WMV, AVI, ASF, MP4/MOV/QuickTime
- MXF, MKV, VOB

Audio Codecs

- AAC, AAC LC/HE, AMR, SAMR
- MP3, MPEG Layers 1/2
- WMA v7, v8, v9, Lossless
- Apple Lossless (ALAC)
- PCM (signed/unsigned, LE, BE, AES3, BWF)
- DTS, QDM2, ASAO, Atrac
- WAV
- AC-3 (Dolby Digital)

* 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

Power Consumption

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

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