

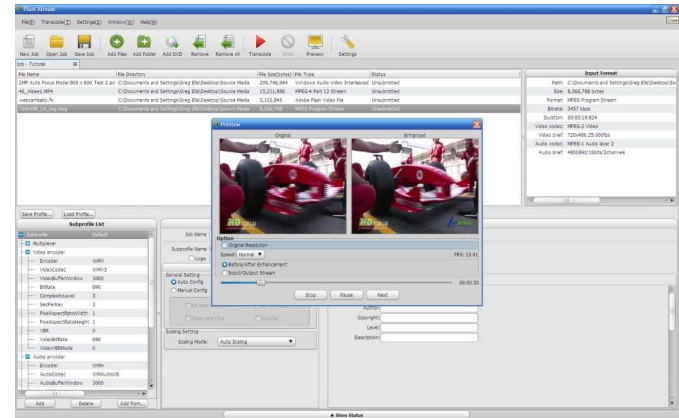
IPERA PIXEL XTREAM 3.0

PRO

- **Powerful transcoding software delivers extreme speed and quality**
- **Transcoding for web, mobile, IPTV, and broadcast delivery**
- **Bridges workflow gaps between ingest, editing, and production systems**

The Ipera Pixel Xtream® software is ideally suited to meet the challenges of repurposing and monetizing video content for new media platforms. It is high volume multi-format, file-based, on-demand video transcoding software that delivers best-in-class speed, throughput and video quality.

Pixel Xtream delivers superior visual quality at all bitrates. Using Ipera's patented intelligent video enhancement tools, Pixel Xtream can analyze source video to filter existing noise, distortion, and artifacts without introducing new distortions. Enhancement tools allow transcoding to lower bitrates for all source content while visual quality is enriched with sharper contrast, improved brightness, more vibrant color, and sharper edges and details.



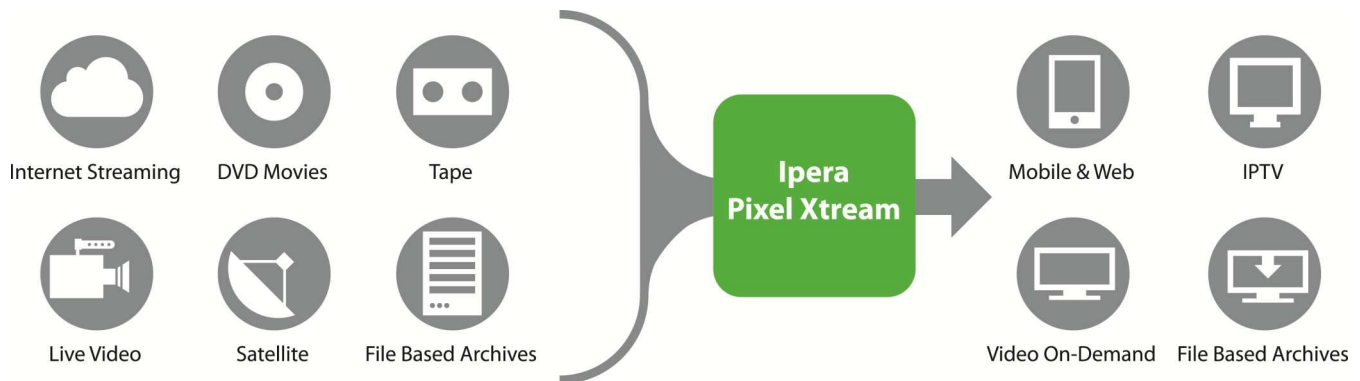
Pixel Xtream is a multi-threaded application that bridges the gap between ingest, editing, and production systems. It integrates easily into digital media workflows with its automated watch folder and web publishing features.

Ipera's unique interface and automation design provides powerful tools that reduce setup times and the need for constant operator monitoring and interaction. The Pixel Xtream tools for adaptive video enhancement modes continuously deliver optimal quality video regardless of scene changes or different quality sources.

Production automation and efficiency are further improved with features such as side-by-side preview, pre-defined target profiles, and user-designed job configurations.

KEY FEATURES

- Extensive format support, including all popular web, mobile, post production, and broadcast file types.
- Full support for HD and SD scaling, web and mobile formats, and frame rate conversion.
- Includes powerful deinterlacing tools.
- Output formats include H.264, Flash, MPEG-4/MP4, 3GPP, MPEG-2, WMV/VC-1.
- Optional broadcast formats include MXF, JPEG 2000 and DNxHD codec support.
- Optional streaming tools allow real-time delivery to web publishing points.
- Proprietary intelligent pre- and post-processing tools deliver high quality video from low quality sources.
- Ingest user generated content and apply powerful deblocking, noise reduction, contrast and color correction filters.
- Automation tools allow hands-free operation. Defined API's support third-party integration.
- Save and reuse unlimited transcode profiles.
- Create unlimited 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.
- Unique side-by-side preview allows users to confirm output results before the transcode job begins.



BENCHMARK DATA

Use Cases	Target Format	Source Format	
		50 Mbps DVCPRO50 / AVI	12 Mbps 1080i HD MPEG-2TS
Mobile	3GPP H.264 320 x 240 128 kbps	17.7 X	10.8 X
	iPhone 640 x 480 700 kbps	12.1 X	7.5 X
Web	Flash 9 480p 2 Mbps	7.5 X	6.5 X
	MP4 H.264 640 x 480 700 kbps	12.1 X	7.5 X
	WMV VC-1 480p 1.5 Mbps	2.6 X	3.2 X
Broadcast IPTV	MPEG-2TS H.264 480p 800 kbps	10.2 X	7.0 X
Broadcast HD	MPEG-TS / H.264 1920 x 1080p 5 Mbps	1.6 X	2.0 X
	MXF (OP-1a) / J2K 1920 x 1080i 80 Mbps	1.0 X	1.1 X

Performance data based on a system with single i7-2700K 3.5GHz CPU and 8GB RAM.
Performance can be further improved on Xeon-based servers.

SYSTEM REQUIREMENTS

OS: Windows XP/Vista/7/8, Windows Server 2003/2008/2012
 CPU: Quad Core, 2.0 GHz minimum
 RAM: 2 GB minimum (> 4 GB recommended)
 Microsoft DirectX 9.0c (or later)

FORMAT SUPPORT *

Video Codecs

- MPEG-1, MPEG-2, MPEG-4
- Flash, H.263, S263, Intel H.263, H.264 (AVC)
- DVD/BDAV
- 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 MPEG2-2, 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.

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