

THE ART OF TRU-TRANSCODE™



PIXFIX - HE Series

RIVERSILICA TECHNOLOGIES IP VIDEO STREAMING HARDWARE SERVER WITH TRU-TRANSCODE™ TECHNOLOGY

INPUT

INTERFACE

- IP stream input over multiple Ethernet ports
- Optional SDI/ HD-SDI
- Optional ASI

INPUT STREAM

- Live
 - MPEG2 TS (SPTS & MPTS)
 - MPEG TS/RTP
 - RTMP
- File
 - MPEG2 TS/ MPEG2 PS
 - MP4
 - MKV
 - FLV
 - WAV
 - 3GP

INPUT VIDEO CODEC

- MPEG2 HL/ML
- MPEG4 SP/ASP
- H264 BP/MP/HP

INPUT AUDIO CODEC

- AAC-LC, HE-AAC v1, HE-AAC v2
- AC3
- MP3, MP2, LPCM

OUTPUT

INTERFACE

- IP stream output over multiple Ethernet ports
- Optional ASI

OUTPUT STREAMING FORMATS

- Apple HLS*
- Microsoft Smooth streaming*
- Flash-RTMP*
- RTSP*
- MPEG TS over UDP
- File mode

OUTPUT VIDEO through Tru-Transcode™ using RAFT™, HELM™ and SAND™

- Output Video Codec - H264 BP/MP/HP
- Fixed and dynamic GOP
- On the fly dynamic bit rate – 32Kbps to 25Mbps through PIXABIT™
- Rate control – CBR, VBR. Constrained VBR
- Screen size – 80x64 to 1080P
- Transcode acceleration through PIXi™
- Output profiles balancing through PIXMAX™

OUTPUT AUDIO

- Output Audio Codec – AAC LC, HE AAC, HE AAC v2
- Sample rate – 8 KHz to 48 KHz
- Channels - 2 to 8
- Bit rate – 32Kbps to 384Kbps



PRE PROCESSING

- De Interlacing
- Image enhancement features
- Resizing – Upscaling/Down Scaling
- Letter boxing
- Frame rate adaptation
- Cropping

Post processing

- Popular DRM support

Management through PIXFLEX™

- CLI
- SNMP
- Web Management

Application Interface

- Customizable for popular CDNs and Cloud interface

PLATFORM SPECIFICATIONS

- 1RU, 2RU, 3RU, 4RU form factors
- Optional redundancy
- Based on INTEL X86 architecture
- RHEL
- Customizable for specific set of input/output features
- * Warranty through FIXPIX™



PIXFIX
- HE Series



RiverSilica Technologies, 2653, Bunker Hill Lane, Suite 400, Santa Clara, CA 95054
Email: info@riversilica.com | Website: www.riversilica.com

*RAFT™, HELM™, SAND™, PIXABIT™, PIXMAX™, PIXIT™, PIXFLEX™ are all registered trademarks of RiverSilica Technologies Pvt Ltd., Bangalore, INDIA.
The rest of the trademarks mentioned belong to their respective companies.