XSTREAM MEDIA
NEXT GENERATION STREAMING

EzyCast Series Flow Diagram ver. 1.01

Tuesday, April 14, 2009

Media Sources

Video/Audio Files

WebCam

Analog/Digital Capture Cards

TV/Satellite Tuner

URL Streams
(rtsp, rtp, mms, http, udp, tcp)

Static - Sequence Image File
(Jpeg, Bmp, Gif, Png)

Captions, Subtitles, Overlay, Vector Files.

IP Cameras

Audio Mixer, Line In, Mic

DVD, VCD, BLUE-RAY

DV and HDDV Cam/Deck

Screen Capture

HTTP/FTP File Reader
Flash File Source and Overlay

Virtual Source Devices

Preprocessing

MIXER

Overlay

Captions/Subtitles

BUFFER

Drop/Skip Frame

EDITOR

Live Video Overlay

PRE-PROCESSING

Deinterlace, Resize, Denoise,

Crop, Rotation, Colorkey, etc

FILTERS 2D/3D

GPU, Pixel Shaders

3D Comp

Encoding

TRANSCODER

TransRate

TransSize

TransCont

DRM

Encryption

Watermark

Secret Data

Sound/Image Extra Data

SIGNAL DETECTION

Motion Detection

Acoustic Detection

Object Detection

Lost/Drop Signal Detection

Distribution

BROADCASTING

URL Multicast/Unicast
(rtsp, rtp, mms, http, udp, tcp)

SMS, MMS, E-MAILS

FTP/HDD File Writer

PLAYOUT

Video Render Devices
(Overlay, Screen, VideoWall)

Audio Render Devices
(Speakers, Voice Modem)

Virtual Sink Devices

ARCHIVING

Video/Audio Files

Sequence Image Files
(Jpeg, Bmp, Gif, Png)

DVD/BR Authoring

Media Destinations

MOBILE

Mobile Phones/Cells

Palm

Blackberries

IPhone, Android

PERSONAL COMPUTERS

Windows / Internet Explorer

Linux / Firefox

Mac / Opera

MEDIA RENDER

DV and HDDV Cam/Deck

DeckLink Cards (BMD)

IPTV

Set-Top Box

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