

Major Function Blocks

Capture, Recording, Streaming, Playback and Editing on One Library

2017.06.30, 1.1.0.174.0

 Data Callback
 Event Callback

<div>High Performance Renderer</div> <div>Thumb Draw, Mirror, Clone, Region, 3D</div>	<div>Sync & Clone Recording</div> <div><div></div><div></div></div>	<div>Time Shifting & Pre-Event</div> <div><div></div><div></div></div>	<div>Multi- Tracks & Audio Mixer</div> <div><div></div><div></div></div>	<div>2D/3D Universal Streaming Client</div> <div><div></div><div></div></div> <div>Capture, Record, Display</div>		<div>2D/3D Multi-Streams Streaming Server</div> <div><div></div><div></div></div> <div>Delay Live, Audio Mixer</div>		
<div>Image Snapshot</div> <div><div></div><div></div></div> <div>Single, Continuous, Cropping, Up/Down Scaling BMP, JPG, PNG, TIF</div>	<div>Multi- Streams Channel Recording</div> <div><div></div><div></div></div>	<div>Multi- Streams Share Recording</div> <div><div></div><div></div></div>	<div>Multi- Streams 3D Recording</div> <div><div></div><div></div></div>	<div>ONVIF Server Client Emulator</div>	<div>WebRTC P2P Chat Room Multi-User</div>	<div>MMS Public</div>	<div>NDI NewTek</div>	<div>HLS HTTP</div>
<div>Deinterlace Engine</div> <div>Motion Adapter, Blending, Filter Triangle</div>	<div>AVI, MP4, ASF, WMV, FLV, MOV, TS, M3U8, WAV, SCF Misc. File Formats, File Repair</div>			<div>RTSP 4MS DELAY UDP/TCP/HTTP/ MIP/RAW-UDP</div>		<div>TS CBR UDP/TCP/ HTTP/MIP</div>	<div>RTMP Encrypt Public Server</div>	
<div>Alpha Blending Engine</div> <div>Text, Scrolling Text, Picture, Memory, Chroma Key</div>	<div>RAW, MPG2, H264^{3D}, H265, AAC</div> <div>Baseline, Main, High Profile, CABAC</div>			<div>RAW, MPG2, H264^{3D}, H265, AAC</div> <div>Baseline, Main, High Profile, CABAC</div>				
	<div>Intel® Media SDK</div>	<div>NVIDIA® CUDA/NVENC™</div>	<div>AMD® VCETM</div>	<div>Intel® Media SDK</div>	<div>NVIDIA® CUDA/NVENC™</div>	<div>AMD® VCETM</div>		
<div>Auto Signal Detection</div> <div>Plug, Unplug, No Signal, Format Changed</div>	<div>Transition Effect</div> <div>Action Script, Alpha Blending, Blinds, Transform, Scaling, Rotation</div>			<div>Transition Effect</div> <div>Action Script, Alpha Blending, Blinds, Transform, Scaling, Rotation</div>				
<div>Video, Audio and VANC Streams Capture</div> <div>Capture Card, Sound Card, Desktop USB Camera, IP Camera, IP Video Server</div>	<div>Video Cropping Engine</div>	<div>Video Scaling Engine</div>	<div>Alpha Blending Engine</div> <div>Text, Scrolling Text, Picture, Memory, Chroma Key</div>	<div>Video Cropping Engine</div>	<div>Video Scaling Engine</div>	<div>Alpha Blending Engine</div> <div>Text, Scrolling Text, Picture, Memory, Chroma Key</div>		
Capture	Recording			Streaming				

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Mirror, Region, 3D

Image Snapshot

Single, Continuous, Cropping, Up/Down Scaling
BMP, JPG, **PNG**, **TIF**



Deinterlace Engine

Motion Adapter, Blending, Filter Triangle

Alpha Blending Engine

Text, Scrolling Text, Picture, Memory, Chroma Key

RAW, MPG2, H264^{3D}, H265, AAC



Intel[®]
Media SDK

NVIDIA[®]
CUDA[™]

AMD[®]
UVD[™]

Play, Pause, Stop, Step, Seek and
Speed Control, Frame by Frame



File Transcoding

Intel[®]
Media SDK

File Repair

MP4

File Export
Multi-Segments



File Merge
Multi-Files



Video and Audio Streams
Read and Write



RS232/RS422/RS485

Access Control

CD&DVD Disc Burning

CD, DVD, DVD-RW

Assistant Capture

Sound Card, Desktop
USB Camera, IP Camera, IP Video Server



Virtual Camera

Virtual DirectShow Capture Filter



Playback

Editing

Tools