

# SDK List

Software Development Kit  
Catalog for Developers

Encoder  Decoder  Authoring  File Reader  Effector  Filter 



# PEGASYS SDK List

Developed by our staff since the establishment of our company, these engines are now available for B2B. These engines are widely used in our company's TMPGEnc applications and have been thoroughly tested for high reliability.

[SDK List]

Kind

Product Name	Kind
Function	

## Encoder

### PEGASYS TMPG-Lib SDK

Encoder

<Input>

DIB (RGB/YUV), Linear PCM

<Output>

MPEG-1/2 (Elementary stream/Program stream/Transport stream for HDV), MP2



### PEGASYS Dolby Digital Encoder SDK

Encoder

<Input>

Linear PCM

<Output>

Dolby Digital [Mono/Stereo]



### PEGASYS MP3 Encoder SDK

Encoder

<Input>

Linear PCM

<Output>

MP3 [Mono/Stereo/Joint Stereo]



### PEGASYS TMPGEnc Smart-Rendering SDK Ver 1.0

Encoder

MPEG File 1



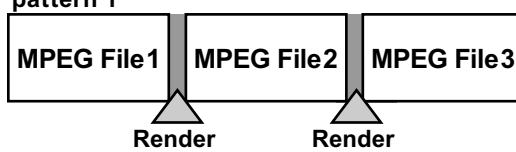
MPEG File 2



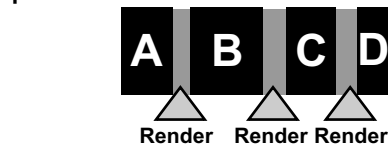
MPEG File 3



pattern 1



pattern 2



<Input>

MPEG-1/2 (Elementary stream/Program stream/Transport stream for HDV), MP2, Dolby Digital [Mono/Stereo]

<Output>



MPEG-1/2 (Elementary stream/Program stream/Transport stream for HDV), MP2, Dolby Digital [Mono/Stereo]

# Decoder

PEGASYS Dolby Digital Decoder SDK	Decoder
<p><b>&lt;Input&gt;</b> Dolby Digital 1ch, 2ch, 5.1ch</p> <p><b>&lt;Output&gt;</b> Linear PCM [1ch-6ch/Down Mix (Mono/Stereo)]</p>	 <span style="font-size: 2em;">▶</span> 

PEGASYS MP3 Decoder SDK	Decoder
<p><b>&lt;Input&gt;</b> MP3 [Mono/Stereo/Joint Stereo]</p> <p><b>&lt;Output&gt;</b> Linear PCM [Mono/Stereo]</p>	 <span style="font-size: 2em;">▶</span> 

# Authoring





PEGASYS Video Authoring Engine SDK (With MPEG Encoder)	Authoring
<p><b>&lt;Input&gt;</b> AVI, MPEG-1/2, QuickTime, WMV, WAVE, AIFF, Sequential Image, Other (by DirectShow)</p> <p><b>&lt;Output&gt;</b> DVD-Video (VIDEO_TS Folder) (With DVD Menu)</p>	 <span style="font-size: 2em;">▶</span> 




# File Reader

PEGASYS AVI Reader SDK	File Reader
<p><b>&lt;Input&gt;</b> AVI</p> <p><b>&lt;Output&gt;</b> DIB (RGB/YUV), Linear PCM</p>	 <span style="font-size: 2em;">▶</span>  

PEGASYS MPEG Reader SDK	File Reader
<p><b>&lt;Input&gt;</b> MPEG-1/2, MP2</p> <p><b>&lt;Output&gt;</b> DIB (RGB/YUV), Linear PCM</p>	  <span style="font-size: 2em;">▶</span>  

PEGASYS QT Reader SDK	File Reader
<p><b>&lt;Input&gt;</b> Quick Time Format Video</p> <p><b>&lt;Output&gt;</b> DIB (RGB/YUV), Linear PCM</p>	 <span style="font-size: 2em;">▶</span>  

PEGASYS WMV Reader SDK	File Reader
<p><b>&lt;Input&gt;</b> Windows Media Video Format, Windows Media Audio</p> <p><b>&lt;Output&gt;</b> DIB (RGB/YUV), Linear PCM</p>	  <span style="font-size: 2em;">▶</span>  

PEGASYS DVD-Video Reader SDK	File Reader
<p><b>&lt;Input&gt;</b> DVD-Video (VIDEO_TS Folder), DVD-VR (DVD_RTAV Folder)</p> <p><b>&lt;Output&gt;</b> DIB (RGB/YUV), Linear PCM</p>	 <span style="font-size: 2em;">▶</span>  

### PEGASYS Media Center Reader SDK

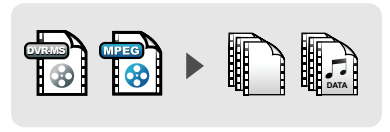
File Reader

**<Input>**

DVR-MS, MPEG-1/2

**<Output>**

DIB (RGB/YUV), Linear PCM



### PEGASYS DirectShow Reader SDK

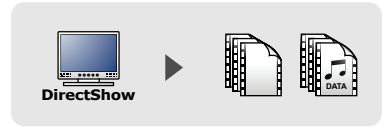
File Reader

**<Input>**

DirectShow

**<Output>**

DIB (RGB/YUV), Linear PCM



### PEGASYS AIFF Reader SDK

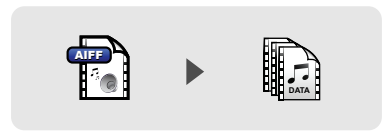
File Reader

**<Input>**

AIFF

**<Output>**

Linear PCM



### PEGASYS Sequential Image Reader SDK

File Reader

**<Input>**

Sequential BMP, Sequential JPEG

**<Output>**

DIB (RGB/YUV)

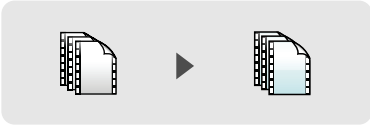


PEGASYS Movie transition Filter SDK
Effector

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**<Input>**  
DIB (RGB/YUV)

**<Output>**  
DIB (RGB/YUV)



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**<Effect pattern>**

-  Slide-in (right, left, top, bottom), Slide-out (right, left, top, bottom)
-  Push (right, left, top, bottom)
-  Shrink (center), Expand (center)
-  Vertical blind (right, left), Closing blind, Opening blind
-  Hard Edge Wipe (right, left, top, bottom, clockwise, counterclockwise, center, border)
-  Soft Edge Wipe (right, left, top, bottom, clockwise, counterclockwise, center, border)
-  Peel (top, bottom)
-  Cross-fade (right, left, top, bottom, center, border)
-  Cross-zoom, Zoom-in, Zoom-out
-  Cross-mosaic, Mosaic-in, Mosaic-out
-  Fade-in, Fade-out

\*Other effects available.

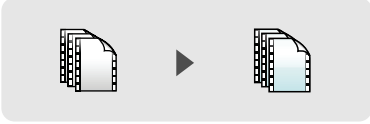
## Filter

PEGASYS Video Filter SDK
Filter

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**<Input>**  
DIB (RGB/YUV)

**<Output>**  
DIB (RGB/YUV)



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**<Function>**

 Picture resize	 Anti-flickering	 Gaussian blur
 Color phase correction	 Ghost reduction	 Sharpness
 Picture rotation	 Video noise reduction	 Color correction
 Picture crop	 Contour	 Smart Sharpness

\*Also available individually.