

VFI Format(ver 1.1)									
Name		Position	Len(Byte)	SampleData	Description				
Version		0		2 11 00(dec17)					
Width		+2		2 13 01(dec29)					
Height		+2		2 11 01(dec27)					
Depth		+2		4 01 00 00 00 (dec3)					
hasPalette		+4		4 01 00 00 00 (dec1)	b=false, t=true				
Palette		+4	512		if hasPalette==1				
DataPosition		+512		4 51 00 00 00 (dec593)	ReadDataPosition(00 00 02 51)				
ImageSet Count		+4		2 01 00 (dec1)	ImageSet Count (ImageSet is consist of someData, frames, actions, states, state frames)				
dummyInfo	dummyLen	+2		4 00 00	dummy data len				
	dummyPosition	+4			dummy data position				
dummyInfo	dummyLen	+DummyLen			dummy is unknown data	@DummyLen=@			
	dummyData(COX 기록)	dummyPosition	DummyLen		dummy is unknown data	@DummyLen=@			
frameInfo	frameCount	+2		2 01 00 (dec1)	Frame is real image				
	top	+2		2 01 01 (dec26)	bottom-top = frameHeight				
frameInfo	left	+2		2 01 00 (dec1)	right-left = frameWidth				
	bottom	+2		2 01 00 (dec1)	bottom-top = frameHeight				
frameInfo	right	+2		2 01 00 (dec1)	right-left = frameWidth				
	flag	+2		4 05 00 00 00 bytes = 0.0.0.0000010105 (hasAlpha hasBase hasDepth)	if(flag==0) hasAlpha=true( flag & 00001000) if(flag==1) hasBase=true( flag & 00000100) if(flag==1) hasDepth=true( flag & 00000001)				
frameInfo	alphaLen	+4		4 78 7a 00 00(dec31352)		@hasAlpha			
	alphaPos	+4		4 02 0a 00 00 (dec4)	alphaDataLen = dataPosition + alphaOffset	@hasAlpha			
frameInfo	baseLen	+4		4 78 7a 00 00 (dec31352)		@hasBase			
	basePos	+4		4 02 01 00 00 (dec31352)	ver 14 no has BaseLen Data(BaseLen = frameHeight* frameWidth)	@hasBase_B& 1/4			
frameInfo	depthLen	+4		2 00 00 (dec32768)		@hasDepth_B& 1/4			
	depthPos	+4		2 00 00 (dec32768)		@hasDepth_B& 1/4			
frameInfo	depthMeanStd	+2		2 46 00 (dec70)		@hasDepth_B& 1/4			
	depthMean	+2		4 4a 4a 00 00(dec36384)		@hasDepth_B& 1/4			
frameInfo	depthSize	+4		4 7b 7a 00 00 (dec36387)		@hasDepth_B& 1/4			
	dummyLen	+4		4 05 00 00 00 (dec5)	dummy2 data len				
frameInfo	dummyPosition	+4		4 05 78 00 00 (dec4021)	dummy2 data position				
	dummyData(COX 기록)	dummyPosition	DummyLen		dummy2 data position	@DummyLen=@			
frameInfo	alphaDataBaseFix (COX 기록)	DataPosition+alphaOffset(593+0)	frameHeight*4 (512+240+273*4+192)	alphaData(0100 00 00 00(dec5) == row0(0) alphaData(110c 00 00 00(dec12) == row1(16) alphaData(211c 00 00 00(dec12) == row2(18) alphaData(3711 20 76 00 00(dec30240) == row3(7716) alphaData(47722 2c 76 00 00(dec30240) == row4(7726)	1Get rows data row(0) = alphaData(0)/2; row(1) = alphaData(1)/alphaData(0/2; row(frameHeight) = alphaData(frameHeight)/alphaData(frameHeight-1)/2;	@hasAlpha			
	alphaMask(frameHeight*frameWidth) --> default value(0) read until dataEnd + alphaOffset - alphaLen	+frameHeight*4	(11b) data1(8b) + data2(8b)	data1:00000000 data2:01100011 bits == alphaMask(0)len = 000 01100011 bits = 115	alphaMask(0(0) = data1&11111000 == data's up 5 bits = 00000bits = 0 alphaMask(0(1) = data1&11111000 == data's up 5 bits = 00000bits = 0 alphaMask(0(114) = data1&11111000 == data's up 5 bits = 00000bits = 0	yes xxx yyyyyyy --> x mean alphaData's y mean alphaMaskLen			
frameInfo	alphaMask(frameHeight) Base(image coloring...)	+2	(11b) data1(8b) + data2(8b)	data1:00000111 data2:21111111 bits	alphaMask(0)=frameWidth*frameHeight-data1&0&8 alphaMask(1)=frameWidth*frameHeight-data1&0&8				
	alphaMask(frameHeight*frameWidth*frameHeight)-data1&0&8								
actionInfo	action count	+2		2					
	action size	+2		4		@actionSize=@			
actionInfo	action offset	+4		4					
	time1	+4		6					
actionInfo	time2	+6		6					
	actionElementCount	+6		2					
actionInfo	frameIndex	+2		4					
	time	+2		4					
actionInfo	actionElementLen	+4		4		@actionElementLen=@			
	alpha(COX 기록, y=dummy(5/4))	actionElementOffset	+4	1		@actionElementLen=@			
actionInfo	offset	+1		1		@actionElementLen=@			
	dummy	+1		2		@actionElementLen=@			
stateInfo	state count	+2		2					
	state size	+2		4		@StateSize=@			
stateInfo	state offset	+4		4					
	stateElementCount	+4		1					
stateInfo	stateElementFrame	+2		1					
	dummy1	+1		1					
stateInfo	dummy2	+1		1					
	dummy3	+1		2					
stateInfo	dummy4	+2		4		@isStateElementFrame=@			
	stateElementSize	+4		4					
stateInfo	stateElementOffset	+4		4		@StateElementFrame=@			
	stateElementOffset	+4		4					
stateTransInfo	StateTransValueCount	+4		2					
	key1	+2		2					
stateTransInfo	key2	+2		2					
	value	+2		2					
stateTransInfo	stateTransValueSize	+2		4					
	stateTransValueOffset	+4		4		@StateTransValueSize=@			
stateTransInfo	key1	+4+StateTransValueOffset		1					
	key2	+4		1					
stateTransInfo	value	+4		1					
	stateTransValueSize	+4		1					
stateTransInfo	stateTransValueOffset	+4		1					
	stateTransValueOffset	+4		1		@StateTransValueSize=@			
ImageSetPV									