

STORM I/O Comparison Guide



	STORM Pro	STORM Mobile	STORM 3G	STORM 3G Elite
Form factor	PCIe board	Breakout box* ¹	PCIe board	Breakout box
Host connection	PCI Express x1	PCI Express x1 or ExpressCard/34* ²	PCI Express x4	PCI Express x4 or ExpressCard/34* ²
Host PC	Desktop	Desktop /laptop	Desktop	Desktop/laptop
Hardware encoder	—	—	—	Yes (HQ)
3G SDI support	—	—	Yes	Yes
10-bit I/O	—	—	Yes	Yes
1080p50/60 support	—	—	Yes	Yes (PCI Express x4 only)
Hardware real-time downconversion	—	Yes	—	Yes
Video In				
HD/SD-SDI	1	—	1 (3G)	2 (3G)
HDMI	—	1	—	1
HD/SD component	—	1	—	1
S-Video	—	1* ³	—	1* ³
Composite	—	1	—	1
Video Out				
HD/SD-SDI	2	—	1 (3G)	2 (3G)
HDMI	1	1	1	1
HD/SD component	—	1	—	1
S-Video	—	1* ³	—	1* ³
Composite	—	1	—	1

*1 Also available as an internal bay with PCIe in certain regions.

*2 Selectable at purchase.

*3 Shared with component connections.



	STORM Pro	STORM Mobile	STORM 3G	STORM 3G Elite
Audio In				
SDI embedded audio	8-channel	—	16-channel	16-channel
AES/EBU audio	—	—	—	8-channel
HDMI embedded audio	—	8-channel	—	8-channel
Balanced audio	—	—	—	4-channel
Unbalanced audio (RCA pin)	—	2-channel	—	—
Voiceover in	—	—	—	1 (phantom power available)
Audio Out				
SDI embedded audio	8-channel	—	16-channel	16-channel
AES/EBU audio	—	—	—	8-channel
HDMI embedded audio	8-channel	8-channel	8-channel	8-channel
Balanced audio	—	—	—	4-channel
Unbalanced audio (RCA pin)	—	2-channel	—	—
Monitor audio out	2-channel unbalanced	—	—	2-channel balanced/ 2-channel unbalanced
Headphone	—	1 (stereo mini jack)	—	1
Others				
REF	—	—	1 in 2 out (with option)*4	1 in/1 out
LTC	—	—	1 in (option)	1 in/1 out
RS-422	—	—	1	2

*4 Main board has 1 REF input but no output. Optional daughter card has 1 LTC in and 2 REF outs.

EDIUS 7.x/8.x Video Output Profiles for STORM Series I/O Hardware

EDIUS Project Format	Output Video Format	Connector	STORM Pro	STORM Mobile	STORM 3G	STORM 3G Elite	
60 Hz	1920x1080 59.94p	SDI Out			✓	✓	
		HDMI Out			✓	✓	
		Analog Out					
	1920x1080 59.94i	SDI Out	✓ ^{*1}				✓ ^{*2}
		HDMI Out	✓ ^{*1}	✓ ^{*1}			
		Analog Out		✓ ^{*1}			✓ ^{*2}
	720x486 59.94i	SDI Out					✓ ^{*2}
		HDMI Out					
		Analog Out			✓ ^{*2}		✓ ^{*2}
	1920x1080 59.94i	SDI Out	✓			✓	✓
		HDMI Out	✓	✓	✓	✓	✓
		Analog Out			✓		✓
	720x486 59.94i	SDI Out					✓ ^{*2}
		HDMI Out					
		Analog Out			✓ ^{*2}		✓ ^{*2}
	1920x1080 59.94i	SDI Out	✓			✓	✓
		HDMI Out	✓			✓	✓
		Analog Out					✓
	1920x1080 29.97p	SDI Out					
		HDMI Out			✓		
		Analog Out			✓		
	720x486 59.94i	SDI Out					✓ ^{*2}
		HDMI Out					
		Analog Out			✓ ^{*2}		✓ ^{*2}
1440x1080 59.94i	SDI Out	✓			✓	✓	
	HDMI Out	✓	✓	✓	✓	✓	
	Analog Out			✓		✓	
720x486 59.94i	SDI Out					✓ ^{*2}	
	HDMI Out						
	Analog Out			✓ ^{*2}		✓ ^{*2}	

*1 EDIUS automatically converts progressive signal to interlaced

*2 Hardware down-conversion

COMPARISON GUIDE EDIUS 7.X/8.X VIDEO OUTPUT PROFILES FOR STORM SERIES I/O HARDWARE

EDIUS Project Format	Output Video Format	Connector	STORM Pro	STORM Mobile	STORM 3G	STORM 3G Elite		
60 Hz	1440x1080 59.94i	SDI Out	✓			✓		
		HDMI Out	✓			✓		
		Analog Out					✓	
	1440x1080 29.97p	1920x1080 29.97p	SDI Out					
			HDMI Out		✓			
			Analog Out		✓			
	720x486 59.94i	720x486 59.94i	SDI Out				✓ ^{*2}	
			HDMI Out					
			Analog Out		✓ ^{*2}		✓ ^{*2}	
	1280x1080 59.94i	1920x1080 59.94i	SDI Out	✓		✓	✓	
			HDMI Out	✓	✓	✓	✓	
			Analog Out		✓		✓	
		720x486 59.94i	720x486 59.94i	SDI Out				✓ ^{*2}
				HDMI Out				
				Analog Out		✓ ^{*2}		✓ ^{*2}
	1280x1080 29.97p	1920x1080 59.94i	SDI Out	✓		✓	✓	
			HDMI Out	✓		✓	✓	
			Analog Out				✓	
		1920x1080 29.97p	1920x1080 29.97p	SDI Out				
				HDMI Out		✓		
				Analog Out		✓		
		720x486 59.94i	720x486 59.94i	SDI Out				✓ ^{*2}
				HDMI Out				
				Analog Out		✓ ^{*2}		✓ ^{*2}
1280x720 59.94p	1280x720 59.94p	SDI Out	✓		✓	✓		
		HDMI Out	✓	✓	✓	✓		
		Analog Out		✓		✓		
	720x486 59.94i	720x486 59.94i	SDI Out				✓ ^{*2}	
			HDMI Out					
			Analog Out		✓ ^{*2}		✓ ^{*2}	
1280x720 29.97p	1280x720 59.94p	SDI Out	✓		✓	✓		
		HDMI Out	✓	✓	✓	✓		
		Analog Out		✓		✓		
	720x486 59.94i	720x486 59.94i	SDI Out				✓ ^{*2}	
			HDMI Out					
			Analog Out		✓ ^{*2}		✓ ^{*2}	

*2 Hardware down-conversion

COMPARISON GUIDE EDIUS 7.X/8.X VIDEO OUTPUT PROFILES FOR STORM SERIES I/O HARDWARE

EDIUS Project Format	Output Video Format	Connector	STORM Pro	STORM Mobile	STORM 3G	STORM 3G Elite		
60 Hz	960x720 59.94p	1280x720 59.94p	SDI Out	✓		✓	✓	
		1280x720 59.94p	HDMI Out	✓	✓	✓	✓	
			Analog Out		✓		✓	
			720x486 59.94i	SDI Out				✓ ^{*2}
		720x486 59.94i	HDMI Out					
			Analog Out			✓ ^{*2}		✓ ^{*2}
	960x720 29.97p		SDI Out	✓		✓	✓	
	960x720 29.97p	1280x720 59.94p	HDMI Out	✓	✓	✓	✓	
			Analog Out		✓		✓	
			720x486 59.94i	SDI Out				✓ ^{*2}
		720x486 59.94i	HDMI Out					
			Analog Out			✓ ^{*2}		✓ ^{*2}
			720x486 59.94i 4:3/16:9	SDI Out	✓		✓	✓
	720x486 59.94i 4:3/16:9	720x486 59.94i 4:3/16:9	HDMI Out					
			Analog Out		✓		✓	
			720x480 59.94i 4:3/16:9	SDI Out				
		720x480 59.94i 4:3/16:9	HDMI Out* ³	✓	✓	✓	✓	
			Analog Out					
			720x486 29.97p 4:3/16:9	SDI Out	✓		✓	✓
	720x486 29.97p 4:3/16:9	720x486 59.94i 4:3/16:9	HDMI Out					
			Analog Out		✓		✓	
			720x480 59.94i 4:3/16:9	SDI Out				
		720x480 59.94i 4:3/16:9	HDMI Out* ³	✓	✓	✓	✓	
			Analog Out					
720x480 59.94i 4:3/16:9			SDI Out	✓		✓	✓	
720x480 59.94i 4:3/16:9	720x480 59.94i 4:3/16:9	HDMI Out						
		Analog Out		✓		✓		
		720x480 59.94i 4:3/16:9	SDI Out					
	720x480 59.94i 4:3/16:9	HDMI Out* ³	✓	✓	✓	✓		
		Analog Out						
		720x480 29.97p 4:3/16:9	SDI Out	✓		✓	✓	
720x480 29.97p 4:3/16:9	720x480 59.94i 4:3/16:9	HDMI Out						
		Analog Out		✓		✓		
		720x480 59.94i 4:3/16:9	SDI Out					
	720x480 59.94i 4:3/16:9	HDMI Out* ³	✓	✓	✓	✓		
		Analog Out						

*2 Hardware down-conversion

*3 If HDMI monitor can't receive an interlaced signal, the hardware will convert interlaced to progressive.

COMPARISON GUIDE EDIUS 7.X/8.X VIDEO OUTPUT PROFILES FOR STORM SERIES I/O HARDWARE

EDIUS Project Format	Output Video Format	Connector	STORM Pro	STORM Mobile	STORM 3G	STORM 3G Elite		
50 Hz	1920x1080 50p	SDI Out			✓	✓		
		HDMI Out			✓	✓		
		Analog Out						
		1920x1080 50i	SDI Out	✓*1				✓*2
			HDMI Out	✓*1		✓*1		
			Analog Out			✓*1		✓*2
		720x576 50i	SDI Out					✓*2
			HDMI Out					
			Analog Out			✓*2		✓*2
	1920x1080 50i	1920x1080 50i	SDI Out	✓		✓	✓	
			HDMI Out	✓		✓	✓	
			Analog Out			✓		✓
		720x576 50i	SDI Out					✓*2
			HDMI Out					
			Analog Out			✓*2		✓*2
	1920x1080 25p	1920x1080 50i	SDI Out	✓		✓	✓	
			HDMI Out	✓		✓	✓	
			Analog Out					✓
		1920x1080 25p	SDI Out					
			HDMI Out			✓		
			Analog Out			✓		
		720x576 50i	SDI Out					✓*2
			HDMI Out					
			Analog Out			✓*2		✓*2
1440x1080 50i	1920x1080 50i	SDI Out	✓		✓	✓		
		HDMI Out	✓		✓	✓		
		Analog Out			✓		✓	
	720x576 50i	SDI Out					✓*2	
		HDMI Out						
		Analog Out			✓*2		✓*2	
1440x1080 25p	1920x1080 50i	SDI Out	✓		✓	✓		
		HDMI Out	✓		✓	✓		
		Analog Out					✓	
	1920x1080 25p	SDI Out						
		HDMI Out			✓			
		Analog Out			✓			
	720x576 50i	SDI Out					✓*2	
		HDMI Out						
		Analog Out			✓*2		✓*2	

*1 EDIUS automatically converts progressive signal to interlaced

*2 Hardware down-conversion

COMPARISON GUIDE EDIUS 7.X/8.X VIDEO OUTPUT PROFILES FOR STORM SERIES I/O HARDWARE

EDIUS Project Format	Output Video Format	Connector	STORM Pro	STORM Mobile	STORM 3G	STORM 3G Elite	
50 Hz	1280x720 50p	SDI Out	✓		✓	✓	
		HDMI Out	✓	✓	✓	✓	
		Analog Out		✓		✓	
		720x576 50i	SDI Out				✓*2
			HDMI Out				
			Analog Out		✓*2		✓*2
	1280x720 25p	1280x720 50p	SDI Out	✓		✓	✓
			HDMI Out	✓	✓	✓	✓
			Analog Out		✓		✓
		720x576 50i	SDI Out				✓*2
			HDMI Out				
			Analog Out		✓*2		✓*2
	960x720 50p	1280x720 50p	SDI Out	✓		✓	✓
			HDMI Out	✓	✓	✓	✓
			Analog Out		✓		✓
		720x576 50i	SDI Out				✓*2
			HDMI Out				
			Analog Out		✓*2		✓*2
	960x720 25p	1280x720 50p	SDI Out	✓		✓	✓
			HDMI Out	✓	✓	✓	✓
			Analog Out		✓		✓
		720x576 50i	SDI Out				✓*2
			HDMI Out				
			Analog Out		✓*2		✓*2
720x576 50i 4:3/16:9	720x576 50i 4:3/16:9	SDI Out	✓		✓	✓	
		HDMI Out*3	✓	✓	✓	✓	
		Analog Out		✓		✓	
720x576 25p 4:3/16:9	720x576 50i 4:3/16:9	SDI Out	✓		✓	✓	
		HDMI Out*3	✓	✓	✓	✓	
		Analog Out		✓		✓	

*2 Hardware down-conversion

*3 If HDMI monitor can't receive an interlaced signal, the hardware will convert interlaced to progressive.

COMPARISON GUIDE EDIUS 7.X/8.X VIDEO OUTPUT PROFILES FOR STORM SERIES I/O HARDWARE

EDIUS Project Format	Output Video Format	Connector	STORM Pro	STORM Mobile	STORM 3G	STORM 3G Elite		
24 Hz	1920x1080 24p	SDI Out			✓	✓		
		HDMI Out						
		Analog Out					✓	
	1920x1080 23.98p	1920x1080 23.98PsF	SDI Out	✓		✓	✓	
			HDMI Out					
			Analog Out					✓
		1920x1080 23.98p	SDI Out					
			HDMI Out			✓		
			Analog Out			✓		
		1920x1080 59.94i*4	1920x1080 59.94i*4	SDI Out	✓		✓	✓
				HDMI Out	✓		✓	✓
				Analog Out			✓	
	720x486 59.94i		SDI Out					✓*2
			HDMI Out					
			Analog Out			✓*2		✓*2
	1440x1080 24p	1920x1080 24PsF	SDI Out	✓		✓	✓	
			HDMI Out					
			Analog Out					✓
	1440x1080 23.98p	1920x1080 23.98PsF	SDI Out			✓	✓	
			HDMI Out					
			Analog Out					✓
		1920x1080 23.98p	SDI Out					
			HDMI Out			✓		
			Analog Out			✓		
		1920x1080 59.94i*4	1920x1080 59.94i*4	SDI Out	✓		✓	✓
				HDMI Out	✓		✓	✓
				Analog Out			✓	
720x486 59.94i			SDI Out					✓*2
			HDMI Out					
			Analog Out			✓*2		✓*2
1280x1080 23.98p	1920x1080 23.98p	SDI Out						
		HDMI Out			✓			
		Analog Out			✓			
	1920x1080 59.94i	SDI Out	✓			✓	✓	
		HDMI Out	✓		✓	✓	✓	
		Analog Out			✓		✓	
	720x486 59.94i	SDI Out					✓*2	
		HDMI Out						
		Analog Out			✓*2		✓*2	

*2 Hardware down-conversion

*4 Check with [Use Pulldown Format when Available] in [Settings] > [System Settings] > [Hardware] > [Preview Device]

COMPARISON GUIDE EDIUS 7.X VIDEO OUTPUT PROFILES FOR STORM SERIES I/O HARDWARE

EDIUS Project Format	Output Video Format	Connector	STORM Pro	STORM Mobile	STORM 3G	STORM 3G Elite	
24 Hz	1280x720 23.98p	SDI Out	✓		✓	✓	
		HDMI Out	✓	✓	✓	✓	
		Analog Out		✓		✓	
		720x486 59.94i	SDI Out				✓*2
			HDMI Out				
			Analog Out		✓*2		✓*2
	960x720 23.98p	1280x720 59.94p	SDI Out	✓		✓	✓
			HDMI Out	✓	✓	✓	✓
			Analog Out		✓		✓
		720x486 59.94i	SDI Out				✓*2
			HDMI Out				
			Analog Out		✓*2		✓*2
	720x486 23.98p 4:3/16:9	720x486 59.94i 4:3/16:9	SDI Out	✓		✓	✓
			HDMI Out				
			Analog Out		✓		✓
		720x480 59.94i 4:3/16:9	SDI Out			✓	
			HDMI Out*3	✓	✓	✓	✓
			Analog Out				
	720x480 23.98p 4:3/16:9	720x486 59.94i 4:3/16:9	SDI Out	✓		✓	✓
			HDMI Out				
Analog Out				✓		✓	
720x480 59.94i 4:3/16:9		SDI Out			✓		
		HDMI Out*3	✓	✓	✓	✓	
		Analog Out					

*2 Hardware down-conversion

*3 If HDMI monitor can't receive an interlaced signal, the hardware will convert interlaced to progressive.

GVB-1-0305C-EN-CG



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