

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 | 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 | 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 | 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 23.98p | | SDI Out | ✓ | | ✓ | ✓ | |
| | 960x720 23.98p | 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 23.98p 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 59.94i 4:3/16:9 | SDI Out | ✓ | | ✓ | ✓ |
| | 720x480 23.98p 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 | | | | | |

*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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