

### Highlights

- Our renowned live streaming quality in a fully self-contained appliance
- Intuitive touch-screen interface with integrated video monitoring for unparalleled ease-of-use
- No laptop, keyboard, mouse or monitor required
- Choose the right model for your needs: from Flash™, Silverlight™ and QuickTime® web experiences to IPTV set-top boxes and mobile phones
- Sophisticated preprocessing for optimal streaming quality and bandwidth usage
- Ideal for live events, PEG (public/education/government), worship, court proceedings and more
- Perfect for use in the field, in a rack or on a desktop

### Your Audience at Your Fingertips

Bringing live video to wider audiences has never been easier. Introducing TouchStream™, the revolutionary, portable live video and audio streaming appliance. TouchStream systems combine Digital Rapids' renowned live streaming quality and reliability with the most intuitive human interface – touch – in a fully self-contained, easy-to-deploy appliance form factor.

Ideal for professional media streaming in the field, on a desktop or in a rack, TouchStream appliances offer unparalleled ease-of-use. Software controls are accessed through a vivid, streamlined touch-screen interface with integrated live video monitoring and VU meters for audio validation, eliminating the need for laptops, keyboards, mice and separate monitors.

TouchStream was developed to overcome the challenges often encountered in live environments – from physical space limitations to minimal setup time. TouchStream appliances were also designed for quiet operation, allowing them to be used unobtrusively in noise-sensitive environments.



TouchStream appliances are ideal for on-location live streaming of events such as concerts and sporting matches; remote news coverage; courtroom proceedings; PEG (public, education and government) applications; corporate communications; worship and more. Application-targeted models let you choose the right configuration for your format needs, from Flash™, Silverlight™ and QuickTime® (Darwin server) powered web experiences to IPTV set-top boxes and mobile phones.

### Unparalleled Streaming Quality

Though easy enough for use by novice operators, TouchStream systems are powerful enough to meet the demanding expectations of experienced streaming media users. TouchStream units feature the same exceptional, full-resolution output quality and efficient bandwidth utilization that have made Digital Rapids' StreamZ™ and StreamZ Live™ studio encoding and streaming systems the preferred choice of leading studios, broadcast networks and service providers.

This superior quality starts with Digital Rapids' acclaimed video preprocessing capabilities, including advanced de-interlacing with pixel-level motion adaptation, scaling and filtering. Video noise reduction minimizes the noise in your video caused by issues such as low lighting that are often uncontrollable in on-location environments, and can greatly impact compression quality. Additional features including audio controls, picture controls and graphic overlay let you refine the incoming source and add branding such as a logo to the outgoing stream. Streaming can be started and stopped manually, scheduled, or triggered by GPI. Streams can also be archived to files on optional storage for later on-demand use. A configurable set of controls can be locked with a password, letting you limit the functions available to basic users to as little as you prefer – even just start and stop.

### Portable Perfection is Within Your Reach

Portable live streaming will never be the same again. TouchStream delivers quality, reliability, flexibility and ease of use – all the attributes of the ideal live streaming appliance – right at your fingertips.



TVBEUROPE ☆ Editors' Awards  
Best of IBC2008



Ingest • Encode • Transcode • Stream • Protect • Deliver

## Features and Specifications

• standard ○ optional

### Available Models (see charts below for details)

|                    |                     |                        |                    |
|--------------------|---------------------|------------------------|--------------------|
| TouchStream LE     | TouchStream Web     | TouchStream Mobile     | TouchStream TS     |
| TouchStream LE SDI | TouchStream Web SDI | TouchStream Mobile SDI | TouchStream TS SDI |
| TouchStream LE HDi | TouchStream Web HDi | TouchStream Mobile HDi | TouchStream TS HDi |

### Options:

Professional carry bag  
Archive storage (CompactFlash adapter, internal hard drive, removable hard drive)

| Inputs  | Analog models              | SDI models                 | HDi models   |
|---|----------------------------|----------------------------|--|
| Composite analog video  | •                          | ○                          |  |
| Y/C (S-Video) analog video  | •                          | ○                          |  |
| Balanced analog audio (XLR)   | •                          | ○                          |  |
| Unbalanced analog audio (RCA)   | •                          | ○                          |  |
| Component analog video  |                            | ○                          |  |
| SDI video   |                            | •                          | HD/SD  |
| Embedded SDI audio  |                            | •                          | •  |
| AES/EBU stereo audio (XLR)  |                            | ○                          | ○  |
| Audio processing channels (stereo)  | 2                          | 4*                         | 4  |
| Input video frame formats   | 486i (NTSC),<br>576i (PAL) | 486i (NTSC),<br>576i (PAL) | SD: 486i (NTSC),<br>576i (PAL)<br><br>HD-compatible:<br>720p, 1080i, 1080p** |
| Hardware-based video pre-processing (motion adaptive de-interlacing, noise reduction cropping, scaling, filtering, video adjustments) | •                          | •                          | •  |

\* 2 stereo SDI embedded; 4 stereo channels with analog option (2 SDI/AES + 2 analog, or 4 analog).

\*\*HD inputs may require down-conversion (automatically performed within TouchStream) to lower resolution or frame rate for streaming output (dependent on output format).



Shown above: analog model (Inset: HDi model)

**Options:** Breakout cable or breakout box required for analog and AES/EBU inputs with TouchStream SDI

Breakout box required for AES/EBU inputs with TouchStream HDi

| Output Formats (by model)                             | LE | Web | Mobile | TS |
|---|----|-----|--------|----|
| Silverlight/VC-1/Windows Media                        | •  | •   |        |    |
| Adobe Flash (H.264/AVC)                               |    | •   |        |    |
| Adobe Flash (On2 VP6)                                 | ○  | ○   |        |    |
| H.264/AVC (e.g. to Darwin Server for QuickTime®)      |    | •   |        | •  |
| AAC Audio   |    | •   | •      | •  |
| MP3 Audio   |    | •   |        |    |
| 3GPP (H.263, H.264, MPEG-4 Part 2, AAC and AMR audio) |    |     | •      |    |
| H.264/AVC in Transport Stream                         |    |     |        | •  |
| MPEG-2 in Transport Stream                            |    |     |        | •  |

| Features  | Touchstream   |
|---|---|
| Dimensions (screen not tilted)                    | 400.5mm / 15.8" L<br>224.5mm / 8.84" W<br>142.5mm / 5.61" H (with feet on)<br>132.5mm / 5.22" H (with feet off - 3RU) |
| Graphic Overlay (logos/branding)                  | •   |
| Manual start/stop, scheduling and GPI triggers    | •   |
| Customizable, password-protected function locking | •   |
| Archive to file during streaming                  | With optional internal or external (USB) storage  |



Adjustable tilting screen

Professional carrying bag optional



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