



## TouchStream Appliances

TouchStream video and audio streaming appliances combine our renowned live streaming quality and reliability with an intuitive touch-screen interface in a fully self-contained, easy-to-deploy, portable form factor for professional streaming applications.

### 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.

Ideal for professional media streaming in the field, on a desktop or in a rack, TouchStream appliances offer unparalleled ease-of-use through the most intuitive human interface – touch. 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 & separate monitors.



TouchStream was developed to overcome the challenges often encountered in live environments – from physical space limitations to minimal setup time. The TouchStream hardware was also designed for quiet operation, allowing it 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.

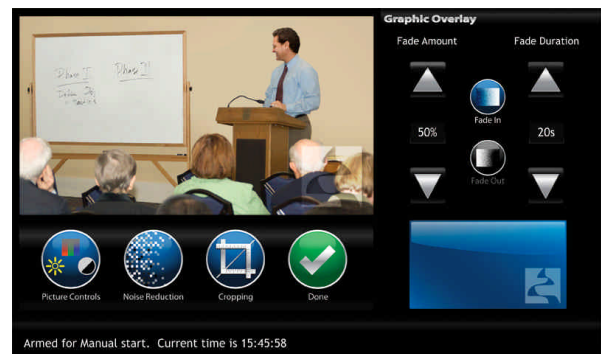
This superior quality starts with Digital Rapids' acclaimed video preprocessing capabilities, including advanced de-interlacing with pixel-level motion adaptation, scaling and filtering. Video noise reduction can minimize or even remove the noise in your video caused by issues such as low lighting that are often uncontrollable in on-location environments. 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.

### 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.

### Key Features and Benefits

- 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 (H.264 or On2 VP6), Silverlight (VC-1/WMV) and QuickTime web experiences to IPTV set-top boxes and mobile phones
- Sophisticated preprocessing for optimal quality and bandwidth efficiency
- Perfect for use in the field, in a rack or on a desktop
- Available with analog, SDI or HD-compatible inputs



## TouchStream Models and Specifications

• *standard feature*      ○ *optional feature*

Available Models (see charts below for details)		
TouchStream LE	TouchStream LE SDI	TouchStream LE HDi
TouchStream Web	TouchStream Web SDI	TouchStream Web HDi
TouchStream Mobile	TouchStream Mobile SDI	TouchStream Mobile HDi
TouchStream TS	TouchStream TS SDI	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	480i (NTSC), 576i (PAL)	480i (NTSC), 576i (PAL)	SD: 480/486i (NTSC), 576i (PAL) HD-compatible: 1080i, 1080p, 720p*

Input Options
Optional breakout cable or box required for analog and AES/EBU with TouchStream SDI
Optional breakout box required for AES/EBU inputs with TouchStream HDi



Analog model shown (Inset: HDi model)

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	
Dimensions (screen not tilted)	400.5mm / 15.8" L 224.5mm / 8.84" W 142.5mm / 5.61" H (with feet on) 132.5mm / 5.22" H (feet off – 3RU)
Hardware-based video pre-processing (motion adaptive de-interlacing, noise reduction, cropping, scaling, filtering, video adjustments)	•
Graphic overlay	•
Archive to file during streaming	With optional internal or external (USB) storage

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