

# DOUBLE... TRIPLE... QUADRUPLE...

**DTQ™**  
**Video Scaler**



**Eliminates visible line structure in video**

**Motion detection and adaptive line interpolation**

**Detail enhancement and noise reduction**

**NTSC, Y/C and Component video inputs**

**De-interlacer minimizes flicker**

**Minimizes cross-color and chroma crawl**

**10 bit processing**

**Text overlays**

**PHAST compatible**

**Smart home messaging**

A line doubler/tripler/quadrupler – the DTQ gives you exceptional video quality and an exceptional value – all in one affordable box.

Developed to improve the quality of video display by de-interlacing the video and interpolating lines, the DTQ produces an image without visible line structure.

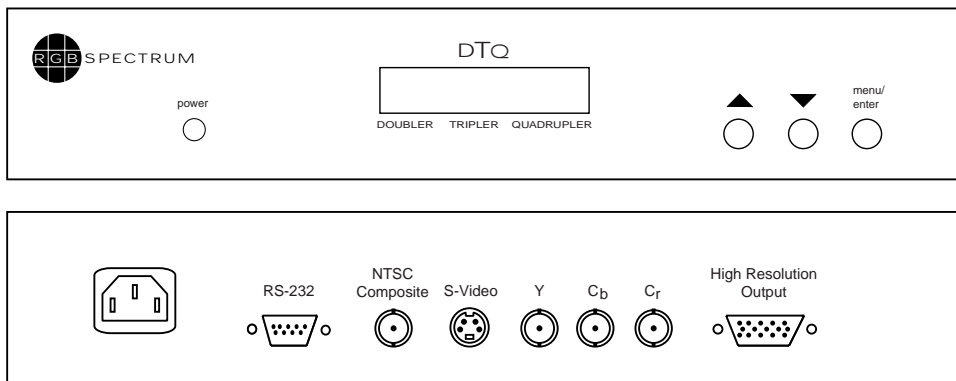
The DTQ is far more flexible than competing products that have only a single line rate output. With the DTQ, the user controls how the signal is presented to the projector, with output resolutions of 525 lines (doubler), 787 lines (tripler) or 1050 lines (quadrupler).

The DTQ will accept composite NTSC, S-Video or component video from a video tape, laser disc, DVD, or broadcast source. Video processing includes controls for contrast, brightness, color and sharpness. The DTQ offers state-of-the-art decoding, adaptive comb filtering and de-interlacing. And unlike lesser products, there is no edge breakup in scenes with horizontal motion.

Control alternatives include an IR remote with easy to follow on-screen menus, an LCD front panel display, and an RS-232 port. The DTQ can display user specified titles as overlays on the video, as well as status and information messages generated by smart home controllers. The DTQ's intuitive controls, simple set up and installation ensure easy integration into any video system.

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### Front and Back Panel Configurations

## Specifications

### Video Input

Connectors: 4 pin mini-DIN and BNC  
Standards: NTSC composite video, S-Video, component video

### High Resolution Output

Connector: 15 pin HD D-Sub female  
Sync: Sync on green, separate composite sync, or separate H-drive and V-drive  
Video Scaling: Line doubler, line tripler and line quadrupler modes  
Output Modes (RGB):  
Doubler: 31.5 kHz, 525 lines (480 visible), 60 Hz non-interlaced  
Tripler: 47.2 kHz, 787 lines (720 visible), 60 Hz non-interlaced  
Quadrupler: 62.9 kHz, 1050 lines, (960 visible) 60 Hz non-interlaced

### Control

Front Panel: Control over all functions  
IR Remote: On-screen menus  
RS-232: 9 pin D-Sub (female)  
Other: PHAST compatible

### Physical

Size: 14 "(W) x 8"(D) x 3"(H)  
Rackmount kit option  
Weight: 5.3 lbs  
Power: 90-250 VAC, 47-63 Hz, less than 12 W

Specifications subject to change without notice  
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