

ETI Controller

Manage triggers between scan controllers, cameras, detectors and beam blankers with the External Trigger Interface (ETI) controller



Switch between trigger sources, mix multiple triggers and convert between TTL and LVDS standards.



Switch trigger inputs on a camera/blanker between two scan controllers.



Convert triggers to and from TTL and LVDS trigger.



Mix two trigger sources, for example trigger a camera/beam blanker from two scan controllers.



Generate internal trigger signals to test connections and settings.



Set up triggers via touch display. No software needed.

Specifications

ETI Controller

Inputs

- 2 × TTL and LVDS for Pixel, Line, Frame, Beam Blanker
- 1 × AUX for LVDS signal distributed to all signal modes
- 1 × Switch for automated switch between trigger inputs

Outputs

- 1 × TTL and LVDS for Pixel, Line, Frame, Beam Blanker

Touch display

- Status of input trigger signals
- Configuration of output trigger signals
- Selection, mix or configuration of input channels
- Configuration of automated switching
- Display of device status information

Housing

- 19-inch rack-mountable
- Dimensions: 483 x 88 x 290 mm (w x h x d)

Site requirements

- Ambient temperature: 5 ... 40 °C
- Humidity: max. 80 % (at 31 °C, non-condensing)
- Altitude: max. 2,000 m
- Installation site: indoor, permanently mounted in 19-inch rack
- Power: 90 ... 264 V AC, single phase, 50/60 Hz

Product website:



www.pointelectronic.com/parts/smart-controllers/eti-external-trigger-interface

Digital user manual:



library.pointelectronic.de/books/eti

Related product:

REVOLON TEM Scan Controller

STEM efficiency at a new level: free, fast and flexible external TEM Scan Controller with open access and Python sample code

free microscopy: Unrestricted beam access with Python code, SDK, including pixel maps and advanced scan modes

fast scanning: Highest speed for in-situ STEM up to 35 fps

flexible control: Best 4D STEM synchronization on TTL signals at 100 MHz level



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