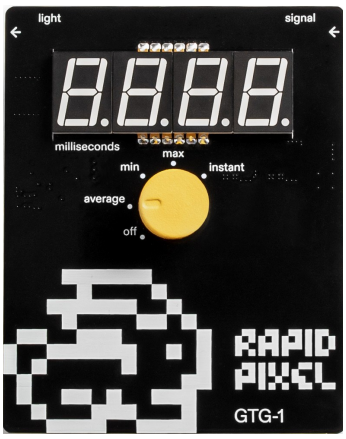
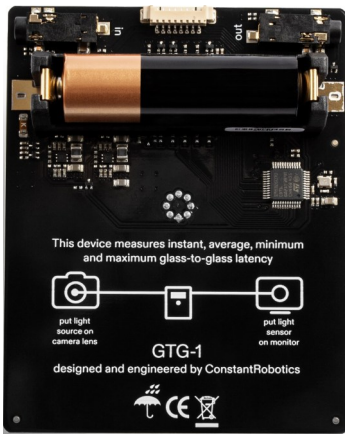
GTG-1

Glass-to-Glass Latency Meter for Daylight Camera Systems

Overview

The RapidPixel GTG-1 measures glass-to-glass video transit time from camera to monitor in any daylight camera video system. The device consists of a light source and a light sensor connected to a measurement PCB with a 4-digit display. It generates light pulses at 1 -second intervals and detects them on the monitor, measuring end-to-end video pipeline latency with 1 ms resolution.





Principle of usage

- Insert a 1.5V AA battery into the device.
- Connect cables: blue (light source) on the left, yellow (light sensor) on the right.
- Place the light source (blue cable) in front of the camera lens.
- Attach the light sensor (yellow cable) to the monitor where light pulses appear.
- Turn the central switch to the desired mode: Average, Min, Max, or Instant latency.
- Read the latency value (msec) on the 4-digit display.

Technical specifications

Latency range	1 – 999 msec
Accuracy	± 1 msec
Measurement frequency	1 Hz (1 pulse / sec)
Statistics window	10 seconds
Modes	Average, Minimum, Maximum, Instant latency
Input power	1.5V DC (1× AA battery)
Display	4-digit, 7-segment
Dimensions	90 × 70 × 20 mm
Weight (with case)	555 g
Operating temperature	0 °C to +40 °C
Storage	Cool, dry location
In the box	Plastic case, PCB board, light source cable, light sensor cable, user manual
Battery	1xAA (not included)
Warranty	1 year
Sales model	B2B only

Operate this product in a well-ventilated environment. While in use, secure it firmly or place it on a stable, flat, non-conductive surface, and ensure it does not contact conductive items. Use only the standard cables supplied with the device.

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