illumiNova®

Fixed Mount Stroboscopes

FAQs

Frequently Asked Questions: Connection

Input Connections – Can you trigger the operation of an illumiNova with external inputs?

P-Plug/Sensor Connector for illumiNova® (PN: 6280-099)

Yes! The INPUT connector (Aviation Plug M12 x 5) has 5 pins for connection of external trigger sources. These input signals can drive the strobe in the External Mode. The sensor input is compatible with Monarch Instrument's inductive, proximity and optical sensors. (Refer to the *Installation Guide* for details.) You can use an external TTL signal to trigger the strobe directly from a printing/coating machine that provides a synchronizing pulse illlumiNova and the flash will be synchronized with your equipment

Output Connections

The OUTPUT connector (Aviation Plug M12 x 4) has 4 pins, 3 of which are used for output signals. The strobe has two outputs. The first mimics the input pulse and can be used for daisy-chaining multiple strobes. The second is a controlled output from the strobe processor and is synchronous with the actual flash of the strobe. Any delays or scaling of the input are reflected in this second output pulse. (Note: Output pulses are NOT isolated). Output port is for trigger of an external device or for daisy chain of multiple strobes. The output port provides either a positive or negative pulse, user selectable, synchronized to the strobe flash.

Can you use external sensors with an illumiNova?

Most sensors provided by Monarch Instrument may be used to trigger the strobe. In addition, the illumiNova may also be triggered from an external TTL source where the strobe will flash for every pulse in.

Is there a remote control for the illumiNova?

Yes! The **illumiNova Remote Controller** mimics the integrated onboard user interface and comes with a 25 ft. CAT-5E power/connection cable. You can use up to 100 ft. CAT-5E cable to mount/locate the Remote Controller from an illumiNova strobe unit.

illumiNova® Remote Controller (PN: 6280-090)

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