

USB-TTL Conversion Kit

pE-6501

pE-6501-8

pE-6501-8-FR



High-speed imaging using cellSens,
MetaMorph and μ Manager

CoolLED 
Simply Better Control

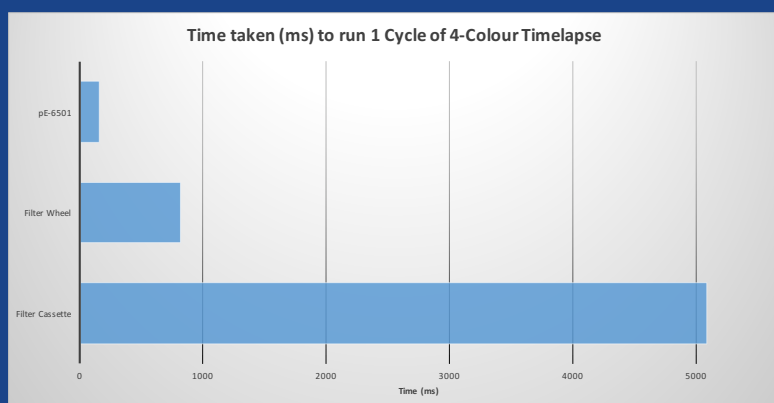


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Specification

The CoolLED USB-TTL Conversion Kit allows fast and stable triggering of compatible CoolLED Illumination Systems directly from major third-party software packages such as cellSens, MetaMorph and μ Manager. This cost-effective approach offers several benefits, including:

- Faster imaging than USB software control
- Integration into major software packages
- Ability to run pT-100 for transmitted illumination e.g., DIC/Phase contrast
- Control of other peripherals via TTL



Channel switching with the CoolLED USB-TTL Conversion Kit is faster than a motorised USB-controlled filter cassette or filter wheel. Using an LED Illumination System featuring individual channel control, the time (ms) to run a four-colour time-lapse cycle with 20 ms exposure per colour is compared for three channel switching options: pE-6501 USB-TTL Conversion Kit with multi-band filter set; motorised filter cassette; filter wheel run in low vibration mode. The CoolLED USB-TTL Conversion Kit offers higher speeds, enhancing temporal resolution and speeding up time-lapse experiments.

USB-TTL Conversion Kit Compatibility

The USB-TTL Conversion Kit is based on the National Instruments USB-6501. Please see table below to identify the model compatible with your CoolLED Illumination System.

CoolLED Illumination System	Compatible USB-TTL Conversion Kit
pE-100	pE-6501
pE-300 ^{white} , pE-300 ^{ultra} and pE-340 ^{fura}	pE-6501
pE-400 Series	pE-6501
pE-4000	pE-6501
pE-800	pE-6501-8
pE-800 ^{fura}	pE-6501-8-FR

Control

Remote: Via TTL

Weight & Dimensions

pE-6501 Dimensions: 115 mm(w) x 103 mm(d) x 41 mm(h)
 Weight: 200 g
 Weight with BNC cable: 470 g

pE-6501-8 or pE-6501-8-FR Dimensions: 115.5 mm(w) x 105 mm(d) x 42 mm(h)
 Weight: 200 g
 Weight with 15-way to 15-way HD cable: 450 g

To Order

- pE-6501:** USB-TTL Conversion Kit for TTL control of compatible Illumination System, with additional BNC for other peripherals (e.g. pT-100 for transmitted light). Connects to PC via USB and is compatible with range of imaging software
- pE-6501S:** pE-6501 USB-TTL Conversion Kit when purchased with a compatible CoolLED Illumination System
- pE-6501-8:** USB-TTL Conversion Kit for TTL control of pE-800 with additional BNC for other peripherals (e.g. pT-100 for transmitted light). Connects to PC via USB and is compatible with range of imaging software
- pE-6501-8S:** USB-TTL Conversion Kit when purchased with a pE-800 Illumination System
- pE-6501-8-FR:** USB-TTL Conversion Kit for TTL control of pE-800^{fura} with additional BNC for other peripherals (e.g. pT-100 for transmitted light). Connects to PC via USB and is compatible with range of imaging software
- pE-6501-8-FRS:** USB-TTL Conversion Kit when purchased with a pE-800^{fura} Illumination System

For more information on how CoolLED products can help you, contact us now:

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All data correct at time of publication

