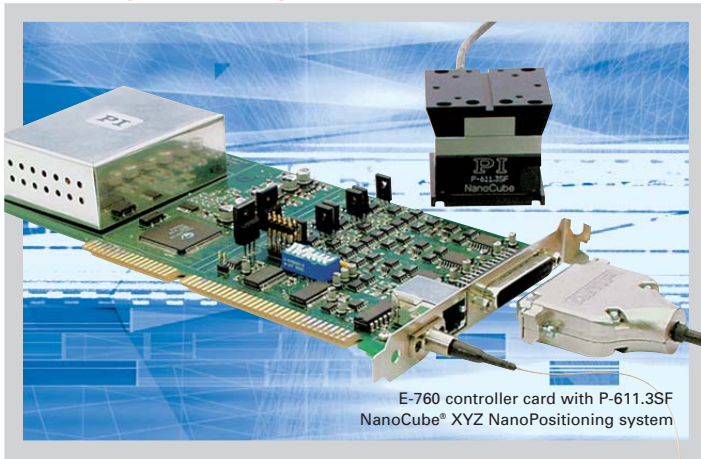


# E-760

## NanoCube® Piezo Controller Card for F-206 / C-880 Controller

>> Click <http://www.pi.ws/fwd/Piezo-Driver> for the Latest Specs on these Products



- Specially Designed for P-611 NanoCube® and F-206 HexAlign™ 6D Alignment System
- Built-in Optical Metrology for Automatic Alignment
- 3 x 9 W Peak Power
- Position Servo-Control

The E-760 is a PZT amplifier and position servo-controller card that was especially designed for the P-611 NanoCube® XYZ NanoAlignment system (see page 2-74 and page 8-16). In addition to three low-noise amplifiers and position servo-controller circuits, it

is equipped with optical metrology and I/O for automatic alignment of photonics components. All functions are accessible via the PC-bus interface. In addition, there is an analog input for position control and an FC connector for the optical metrology.

### Technical Data

<b>Models</b>	<b>E-760.3SV, E-760.3Si</b>
Function	Power amplifier & sensor / position servo-control of P-611 NanoCube® systems with additional optical metrology and I/O for automated alignment
Channels	3
<b>Amplifier</b>	
Maximum output power	9 W / channel (see page 6-52)
Average output power	1 W / channel
Peak output current <5 ms	90 mA / channel
Average output current >5 ms	8 mA / channel
Current limitation	Short-circuit proof
Voltage gain	10 ±0.1
Polarity	Positive
Control input voltage	-2 to +12 V
Output voltage	-20 to 120 V
PZT voltage output socket	25 pin sub-D
Analog in/out socket	8 pin network connector
Dimensions	PC Card (ISA)
<b>Position Servo-Control</b>	
Sensor Type	Strain Gauge
Servo Characteristics	P-I (analog) + notch filter
Sensor socket	25 pin sub-D (same as PZT voltage)
<b>Optical Metrology</b>	IR detector (E-760.3Si), Vis detector (E-760.3SV), input via FC connector

### Ordering Information

#### E-760.3SV

NanoCube® Controller Card with Automatic Alignment Functions, Vis. Detector

#### E-760.3Si

NanoCube® Controller Card with Automatic Alignment Functions, IR Detector

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