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# Optotune ICC-4C-500 Extension Kit

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Optotune ICC-4C-500 Extension Kit, #22-409



Stock **#22-409** [CONTACT US](#)

1  MRP ₹21,468

Price inclusive of all taxes

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## Volume Pricing

Qty 1+	₹21,468 each
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## Product Downloads

### General

Specialty Lens

Type:

#### Contents of Kit:

Adaptor board for lenses (with 30 cm extension cable)  
Micro-USB cable  
DIN Rail clamp kit

## Physical & Mechanical Properties

12.4	Height (mm):
63.00	Length (mm):
61.50	Width (mm):

## Hardware & Interface Connectivity

0.5mm pitch 6-way FPC (to lens)	Connector:
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## Environmental & Durability Factors

0 to +60	Operating Temperature (°C):
-40 to +85	Storage Temperature (°C):

## Regulatory Compliance

<a href="#">View</a>	Certificate of Conformance:
Slovakia	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

## Product Details

- ICC-1C for Control of a Single Optotune Lens
- ICC-4C-500 Controls Up to 4 Optotune Lenses Simultaneously
- ICC-4C-2000 Controls Optotune Beam Shifters and Fine Steering Mirrors
- Driven via Optotune Cockpit GUI, SDK, or Analog Signal
- [Optotune Lens Drivers](#) and [Gardasoft Controllers](#) Also Available

Optotune ICC Current Controllers allow for control of Optotune Focus Tunable Lenses delivering  $\pm 500\text{mA}$  of current (up to 4 lenses can be controlled with [ICC-4C-500](#)), or of Optotune's Beam Shifters and Fine Steering Mirrors ([ICC-4C-2000](#)). The controller features a variety of interfaces to facilitate easy communication with existing machine vision systems, including USB, UART, I2C, Ethernet, and analog input. The Optotune Cockpit GUI is used to easily drive the controller over USB or ethernet with Python and C# SDKs available for further user integration. Optotune ICC Current Controllers are ideal for machine vision applications and for using multiple liquid lenses to simplify control and wiring. These controllers also offer the ability to control LEDs, laser diodes, thermo-electric coolers (TECs), or other devices requiring accurate current control. The extension kit [#22-409](#) is required for driving Optotune Focus Tunable Lenses with FPC connectors using the [ICC-1C](#) or [ICC-4C-500](#), and the extension kit [#23-718](#) is required for driving Beam Shifters and Fine Steering Mirrors with the [ICC-4C-2000](#).

## Technical Information

### OPTOTUNE ICC-4C-500 CONTROLLER PRODUCTS

Stock Number	Description	Contents	Notes
<a href="#">#22-408</a>	ICC-4C-500 Controller	<ul style="list-style-type: none"><li>• ICC-4C-500 Controller only</li></ul>	Used to control up to 4 Optotune lenses with Hirose connectors simultaneously (up to $\pm 500\text{ mA}$ per channel). Power supply sold separately and required ( <a href="#">#22-410</a> ). To control Optotune lenses with FPC connectors, <a href="#">#22-409</a> is also required. For I/O input, users must supply their own I/O connector.
<a href="#">#22-409</a>	ICC-4C-500 Extension Kit	<ul style="list-style-type: none"><li>• Adaptor board for lenses (with 30 cm extension cable)</li><li>• Micro-USB cable</li><li>• DIN Rail clamp Kit</li></ul>	Used with the ICC-4C-500 Controller ( <a href="#">#22-408</a> ) to control up to 4 Optotune lenses with FPC connectors simultaneously. Plugs directly into the auxiliary output connector, or with included extension cable.
<a href="#">#22-410</a>	ICC-4C Power Adapter	<ul style="list-style-type: none"><li>• Power adapter with US main cable</li></ul>	Includes AC/DC adapter that interfaces with the ICC-4C and US main cable.

OPTOTUNE ICC-4C-2000 CONTROLLER PRODUCTS

Stock Number	Description	Contents	Notes
#23-717	ICC-4C-2000 Controller	<ul style="list-style-type: none"> <li>• ICC-4C-2000 Controller only</li> </ul>	Used to control Optotune's XPR Beam Shifters, <a href="#">BSW-20 Beam Shifters</a> , and <a href="#">FMR-20 Fine Steering Mirrors</a> . Provides 4 independent channels with $\pm 2$ A per channel. Power supply and extension kit sold separately and required (#23-718 and #22-410). For I/O input, users must supply their own I/O connector.
#23-718	ICC-4C-2000 Extension Kit	<ul style="list-style-type: none"> <li>• Adapter board for XPRs, BSW and FMR (with 20 cm extension cable)</li> <li>• Micro-USB cable</li> <li>• DIN Rail clamp Kit</li> </ul>	Used with the Optotune ICC-4C-2000 controller to interface with XPR, BSW-20, and FMR-20 products through FPC interface. Plugs directly into the 34-pin output connector, or with included extension cable.
#22-410	ICC-4C Power Adapter	<ul style="list-style-type: none"> <li>• Power adapter with US main cable</li> </ul>	Includes AC/DC adapter that interfaces with the ICC-4C and US main cable.