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Optotune Industrial 1 Channel Current Controller | ICC-1C (Recertified 05-P)

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Optotune Industrial 1 Channel Current Controller | ICC-1C - Front

Stock **#74-605-RCD-05P** RECERTIFIED **1 In Stock**

- 1 + S$534.22

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General

Type:

Specialty Lens

Physical & Mechanical Properties

Height (mm):

28.7

Length (mm):

64.00

Width (mm):
105.00

Electrical

Operating Current (mA):
-500 to +500

Power Consumption (W):
15 (maximum)

Hardware & Interface Connectivity

Connector:
USB-C, Ethernet (to PC), 6-way Hirose (to lens)

Environmental & Durability Factors

Operating Temperature (°C):
0 to +60

Storage Temperature (°C):
-40 to +85

Regulatory Compliance

Certificate of Conformance:
View

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 ±500mA 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
#22-408	ICC-4C-500 Controller	• ICC-4C-500 Controller only	Used to control up to 4 Optotune lenses with Hirose connectors simutanously (up to ±500 mA per channel). Power supply sold separately and required (#22-410). To control Optotune lenses with FPC connectors, #22-409 is also required. For I/O input, users must supply their own I/O connector.
#22-409	ICC-4C-500 Extension Kit	• Adaptor board for lenses (with 30 cm extension cable) • Micro-USB cable • DIN Rail clamp Kit	Used with the ICC-4C-500 Controller (#22-408) to control up to 4 Optotune lenses with FPC connectors simutaneously. Plugs directly into the auxilary output connector, or with included extension cable.
#22-410	ICC-4C Power Adapter	• Power adapter with US main cable	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	• ICC-4C-2000 Controller only	Used to control Optotune's XPR Beam Shifters, **BSW-20 Beam Shifters**, and **FMR-20 Fine Steering Mirrors**. Provides 4 independent channels with ±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	• Adapter board for XPRs, BSW and FMR (with 20 cm extension cable) • Micro-USB cable • DIN Rail clamp Kit	Used with the Optotune ICC-4C-2000 controller to interface with XPR, BSW-20, and FMR-20 products through FPC inteface. Plugs directly into the 34-pin output connector, or with included extension cable.
#22-410	ICC-4C Power Adapter	• Power adapter with US main cable	Includes AC/DC adapter that interfaces with the ICC-4C and US main cable.