deva
ELECTRONIC CONTROLS

OPTICAL

USB LIGHTING CONTROLLER

FEATURES:

- 64 White LED light ring
- Individual control of Intensity
- 2 x 96ma Auxilliary outputs
- USB controlled and powered
- Windows XP/7/8/10
- 36mm mount
- System tray control panel
- Balanced spectral output

APPLICATIONS:

- Programmable illumination for image inspection equipment
- Automatic measuring machines
- Edge detection enhancement

ORDER CODE:

022

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DESCRIPTION:

USB LIGHTING CONTROLLER

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The Deva 022 USB Lighting Controller incorporates a 64 LED light ring and two auxilliary outputs realising a complete machine vision lighting solution controlled and powered via a single USB connection.

Offering individual control of LED intensity the Deva022 is able to instantly direct light onto the subject from any angle ensuring that key features and edges are enhanced allowing for faster and more accurate measurements.

The two auxilliary outputs are connected via 2.5mm DC jack sockets and provide intensity control of up to 4 LEDS.
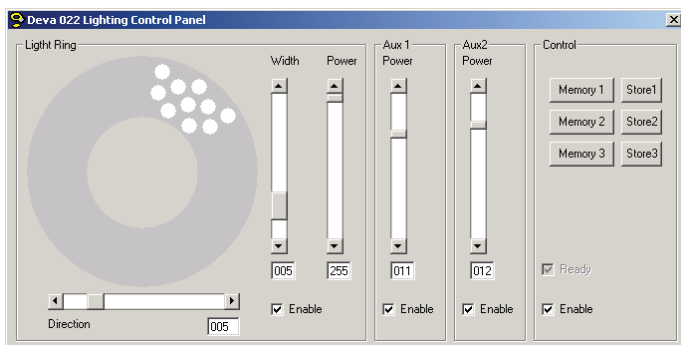
ACCESSORIES

The Deva022 may be ordered with compatible backlight (022-BL1) and through lens lighting LED (022-TL1) both supplied ready cabled. Please contact Deva for further details.

SOFTWARE

Plug 'n' Play software support for 32 bit and 64 bit versions of Windows XP, 7, 8 and 10 makes installation straightforward.

Once installed a comprehensive control panel is available from the system tray providing access to all device facilities.

To simplify operation the ring function is described as a light source with variable width, direction and power. Individual control of auxilliary power is provided along with a separate enable for each function. An overall enable controls all functions. Three memories allow settings to be recalled to aid manual operation.

All the parameters present on the control panel can be accessed via the Deva022 support DLL. This provides a fast and effective way to incorporate the Deva022 into any windows measurement application.

Shared access between the Deva022 and other applications is permitted with all commands being dealt with sequentially.

Example code is provided for visual basic and C/C++.

SPECIFICATION:

- **Bus**   USB 1.1 (low speed)
- **Light Ring**   64 x White LEDS
- **Aux1 power**   4 LEDS (96ma)
- **Aux2 power**   4 LEDS (96ma)
- **Weight**   20g
- **Size**   120mm x 90mm x 20mm
- **Inside Diameter**   36mm
- **Spot Diameter**   40mm
- **Focal distance**   100mm
- **Supply Current**   < 500ma

QUALITY

We aim to provide our customers with the highest quality products and customer support. Our team of experienced engineers are available to discuss your specific applications.

Our products are designed and manufactured in the UK and include a 36 month, no quibble warranty.