DATASHEET HUYGENS OPTICS CAMSTROBE CS-2

The CamStrobe CS-2 is a high-performance stroboscopic flash unit designed for use in combination with inspection- or vision cameras. It is designed for illuminating an inspection area of approx 150x200mm (A5). It is available with various projection lenses (from narrow to wide beam)

Main Features

- High-intensity light flash triggered by external source
- Suitable for inspection of objects moving up to 5000m//min
- Distance between unit and object can be 200-1500mm
- Trigger input galvanically separated by optocoupler
- Light flash duration can be varied by input pulse length
- Flash duration limited to range 2 - 200us
- Maximum pulse frequency limited to 175Hz
- Protection class: IP 50

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Technical Data CamStrobe model CS2

Dimensions / weight
- Dimensions (HxWxD): 120mm x 120mm x 52mm
- Weight: 0.8 kg

Optical Features
- 8 high-performance LEDs
- Color temperature 6000K
- Average light Intensity @50Hz, 50us and 200mm distance and 150mm diam. area): 1000 to 3000Lux.
- Peak Intensity in pulse 1.2 MLux @ 200mm.

Electrical Features
- Robust Neutrik connector for power and pulse
- Power supply voltage 12V / 1A.
- Trigger level pulse between 4 and 30V.

Temperature ranges
- Ambient temperature range: 0 to +45 °C
- Storage temperature range: -20 to +60 °C

Accessories
- Ordering information CS-2: **HO-CS2.001-x ***
- Camera interface: **HO-CIF2.001**

*Specify lens type, Narrow (N), Medium(M), Wide (W)

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Multiple CamStrobes can be connected to the Camera Interface CIF-2 (right), for control from various camera types.

Application example
When inspecting shiny surfaces, the CamStrobe CS-2 can best be used in the configuration shown right. To avoid direct reflections of the shiny surface the CS2 is placed at the side and under an angle, to avoid unwanted direct reflections reaching the camera. The best angle and distance from the surface depends on the specific sample and required inspection image field.

Configuration 2
Camera
CS1/2
Direct reflections
Inspected Surface