

# LIGHT SOURCE





#### Big Upgrade

Brightness increased profoundly, provides the highest brightness in the market at 8M Lux



#### **High Unit Density Luminous Flux**

Even small diameter light guide (e.g. 6mm dia.) can obtains more than 2M Lux



#### Strobe Electrical Isolation Strobe

Provides 100KHz maximum strobe input and output signal



#### **More Suitable for Semiconductor Process**

Low blue wavelength is available, also provides optional output filter

**High Power Light Source Unit** LSU2-100/180/160H/200H/250H **Light Source Unit** LSU/LSU2-10/20/30/50









Color Light Source Unit LSU-80/LSU-160FR/LSU2-180FR

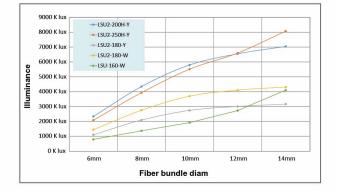








#### **Illuminance Chart**



## **MACHINE VISION CAMERA**

### **SkyCAM USB3 Series**

- Newest Global & Rolling Shutter CMOS Image Sensor
- Cost-effective due to the ultra-small optical format
- · Ultra-compact camera size with screw lock USB connector
- Support USB 3.0 bus powered without external power
- USB3 Vision & GenlCam conformity
- · Camera control / image acquisition by Bestintech SDK
- · Additional external power supply can be used when using a longer cable or AOC cable

#### SkyCAM 16M/12M Series



- Cost-effective due to the ultra-small optical format
- Global electronic shutter with exposure control
- CameraLink supports Base and Full configuration
- USB3 Vision & GenICam conformity
- Supports pixel based flat field correction (FFC)
- Camera control / image acquisition by Bestintech SDK

#### **SkyCAM Line Scan Series**



- Teledyne e2v 4K/2K Line Scan Image Sensor
- High speed 100KHz/160KHz line-rate & flexible exposure control
- Trilinear color line scan technology up to 33KHz/66KHz line-rate
- · Cost-effective due to the ultra-small optical format
- CameraLink supports Base and Full configuration
- Supports pixel based flat field correction (FFC)
- Camera control / image acquisition by Bestintech SDK

#### **BEST INTEGRATION TECHNOLOGY CO., LTD.**

www.bestintech.com.tw

5F., No.1, Ln. 63, Guanxin Rd., East Dist., Hsinchu City 30072, Taiwan (R.O.C.) E-mail: sales@bestintech.com.tw

Tel: +886-3-6686923 Fax: +886-<u>3-6686423</u>









Continuous Innovation with Vision















www.bestintech.com.tw

#### **ABOUT US**

Established in 2009, Best Integration Technology has been rising as an innovative company with extensive technology expertise and R&D experiences in the fields of mechatronics, optical imaging and industrial automation. We have successfully developed a series of solutions to AOI applications for semiconductor, smart-manufacturing and biotechnology industries. Our products and solutions are as following:



### **AUTOFOCUS** MICROSCOPE SYSTEM



- · High-speed instant autofocus on moving or static objects.
- A complete solution for area scan and line scan in high-speed microscopic image scanning.
- Highly integrated system design for easy setup and use.
- Advanced SoC FPGA technology and fully digitized algorithm provide high reliability and high accuracy.
- Built-in high uniformity light illumination. Optional ultra-high intensity bright & dark field illumination up to 1M lux.



- Optional linear lens changer up to four objectives.
- Compatible with an infinity-corrected microscope system.
- Ethernet network control interface. Noise immunity provides industrial-grade reliability.

### LED LIGHTING



#### **High Power Liner Lights**



#### High Power Zero / Low Angle Ring Lights

High Level of Uniformity Low Divergence Angle High Directivity



#### Diffused Lights

**Excellent Uniformity** High Brightness Various Shape and Size

#### **Coaxial Lights**

Unique Optical Design Special Heat Conduction High Brightness



#### **Bar Lights**

High Brightness Optional Diffuser High Power Type Available

#### **Dome Lights** High Uniformity

Excellent Shadowless Result Large Illumination Area



#### **Spot Lights** High Power Spot Light

High Brightness High power LED, high brightness Efficient heat dissipation design

#### **AOI Lights**

High Uniformity **Excellent Shadowless Result** Large Illumination Area





#### Structured Light Projectors Scheimpflug tilt adiustment

compatible with C-mount lens

#### **Bottom Flat Lights**

High brightness, high uniformity Standard mold shell, compact and slim structure to save the installation space



### **PROGRAMMABLE LED DRIVER**



- USB/RS485/Ethernet Interface with digital knob for current adjustment.
- High-speed external trigger synchronization capability. The maximum frequency of strobe input reaches to 100kHz.
- Multi-channel output: 1, 2, 3, 4, 6, 8 & 12.
- Wide output range: Current 50mA~30A, Voltage DC 1.5V~95V.
- Pass EMC and CE Safety test: CE compatible



#### Full line-up drivers with ultimate linearity, extreme accuracy, and easy-to-use



**SCLD Light Series** 

1 Channel Lightweight Constant Current



**OCLD2 Series** 

4 Channel Constant Current



**DCLD3 Series** 2 Channel Constant Current



**OCLD Series** 

8 Channel Constant Current



DCLD2 Series

2 Channel Constant Current



**OCLDS-LS Series** 

8 Channel Strobe Optimized



**QCLD Light Series** 

4 Channel Lightweight Constant Current



**SkyDRV Series** 

3 / 6 / 12 Channel Constant Current



**QCLD2S Series** 

4 Channel Small-sized onstant Current



**QCLD Series** 

4 Channel Ethernet Constant Current



**COCLD Series** 

Compact 4 Channel Constant Current



**PSU Series** 

Power Source Unit

