# Shutter Systems for Microscope | BSH2

**Electromagnetic shutter systems for microscope illumination. Compatible with standard existing microscopes and are easy to install and remove. These shutter systems are best suited for microscopy such as multi-point time lapse microscopy and fluorescence microscopy.**



- A release shutter with the aperture size of φ25mm is utilized.
- Both one axis and two axis controllers are available.
- One axis controllers (SSH-C1RA-H) , Two axis controllers (SSH-C2B) are available.

## Specifications

| Part Number | Equipment Configuration | Shatter number [unit] | Controller Part Number |
|---|---|---|---|
| BSH2-RIX-2-1 | Olympus IX71, IX81, IX73, IX83 (common to transmitted/epi-illumination) | 1 | SSH-C2B |
| BSH2-RIX-2-2 | Olympus IX71, IX81, IX73, IX83 (common to transmitted/epi-illumination) | 2 | SSH-C2B |
| BSH2-RIX-1-1 | Olympus IX71, IX81, IX73, IX83 (common to transmitted/epi-illumination) | 1 | SSH-C1RA-H |
| BSH2-RTi-2-1 | Nikon Ti, TE2000 (for epi-illumination) | 1 | SSH-C2B |
| BSH2-RTi-1-1 | Nikon Ti, TE2000 (for epi-illumination) | 1 | SSH-C1RA-H |
| BSH2-TTi-2-1 | Nikon Ti (for transmitted illumination) | 1 | SSH-C2B |
| BSH2-TTi-1-1 | Nikon Ti (for transmitted illumination) | 1 | SSH-C1RA-H |
| BSH2-R/TTi-2-2 | Nikon Ti (for epi-illumination and for transmitted illumination) | 2 | SSH-C2B |

*1 Please check the model and connection type of your microscope.
*2 These sets come with a shutter connecting cable. (Extension cables are sold separately. Please contact our Sales Division for more information.)
*3 No interface cable for connection with a PC is included. (Communication cables are sold separately. Please contact our Sales Division for more information.)
*4 If your microscope is not listed, contact our Sales Division for your custom requirements.

# Shutter Controllers

**<1-axis type: SSH-C1RA-H>**
- Compact controllers that can be operated at hand.
- It is equipped with a standard interface that allows external TTL signal control.
- A foot switch and cable for TTL are optionally available.

**<2-axis type: SSH-C2B>**
- The timer mode allows adjustment of shutter speed, or setting and control of repetitive operations.
- The demo software "SSH-C2B Demo Software" enables easy PC control. (download is available from our website)

## Specifications

| Part Number | SSH-C1RA-H | SSH-C2B |
|---|---|---|
| Type | 1 axis | 2 axes |
| Control | Bulk | Bulk/Timer |
| Interface | TTL | RS232C/USB/TTL |
| External input Signal (TTL) | Open/Close: 5 / 0V | 0 / 5V  Open/Close or Close/Open (Switching by IO active.) |
| External Dimensions [mm] | (W)80 × (H)40 × (D)80 *Except for protrusions | (W)220 × (H)75 × (D)180 *Except for protrusions |
| Weight [kg] | 0.3 | 1.8 |
| Power Supply (Rated) | DC5V *Special AC adapter | DC24V *Special AC adapter |
| Accessories | AC adapter, TTL, I/F plug, instruction manual | AC adapter, instruction manual |

* The appearance and specifications of the product may change without prior notice.