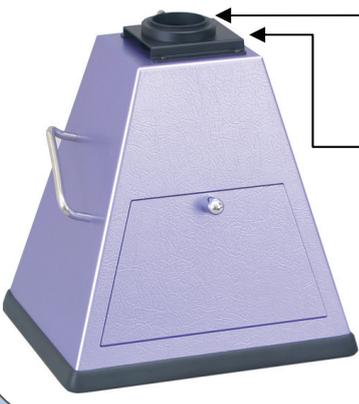


Bio-Pyramid · MBP-01

User's Manual.

○ Standard Accessories



Console

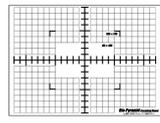
φ52mm sleeve

Filter Tray

Above are built-in parts.



ALSC-56 acrylic filter
SC-58 *
SC-60 *
* Gelatine Filter
75mm square



Focusing Sheet
for manual focus



Digital camera ⇔ φ52mm
Connecting ring adapter
(for compatible
models only)

Install a variety of cameras to φ52mm sleeve with designated Ring-adapters. If camera is incompatible with any ring-adapters, please try Universal Super Mount (*sold separately)

○ Installing camera and filter

Camera

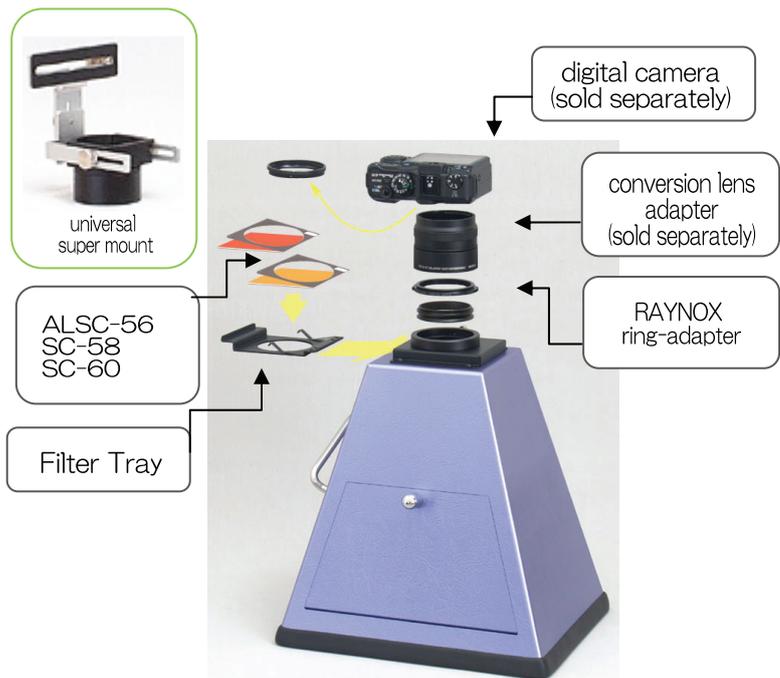
First, install a conversion lens adapter to camera. Second, attach ring-adapter to conversion lens adapter. And third, install camera on console.

Filter

When using a glass filter, install onto φ52mm sleeve. For gelatin filter, slide and place it on the filter tray.

Universal Super Mount

First, install the camera onto the super-mount. Second, install above parts to φ52mm sleeve, and adjust position of camera accordingly.



Next page
setting and operation instruction →

○Instruction... ★ mark is important

Following the User's Guide, set your camera manually as described below. It is difficult to capture high quality images with full automatic since gel documentation takes place in a darkroom environment.

* Please select [P (program auto)] or [M (manual)] for shooting

Set up

After installing filter, set up Bio-Pyramid on the UV Transilluminator. Place Transilluminator in a way that Transilluminator's surface is covered by the hood.



Adjusting Zoom

Adjust the camera zoom for the shooting range you desire.

★ Please note when zoom is too high, it will be out of focus on close ranges.

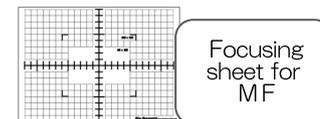


★ Focusing

Set macro shooting mode when using auto focus.

Use manual focus when it is hard to focus with Auto focus (Some cameras are not equipped with manual focus)

Place focusing sheet on transilluminator to focus when using manual focus. Fluorescence agent applied to the focusing sheet would radiate when subjected to UV.



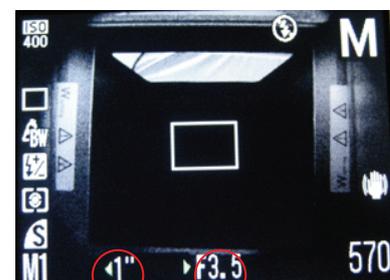
★ Setting the ISO speed

Since it is a dark room environment, a high ISO speed is preferred. However, raising the ISO speed to the Max would result in objects appearing coarse and blurry. Therefore use the second or third ISO speed.



★ Adjusting the brightness (exposure)

When a camera is only equipped with auto mode, set mode dial to "P" and adjust exposure by pressing [+/-] button ([+] for brighter, and [-] for darker picture). When a camera is equipped with manual mode, first turn mode dial to "M" and set F number to minimum. Second, set shutter speed at 1 second, If image still looks dark, set a longer shutter speed, and if image is too bright set shorter shutter speed. ★ Notice : When you set it too bright, sometimes background will be captured along.



shutter speed F number

Flash

Shoot with flash turned off.

Image stabilization

If captured image is unstable and shaky, please consider using a self-timer for shooting.

B/W (black and white) setting

Gel documentation prefers shooting with the B/W setting.

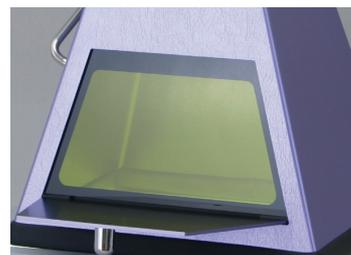
B/W setting gives you higher contrast and makes it easier for observation.

Registering Shooting Setting.

Most of the cameras that are equipped with manual mode allow users to register commonly used shooting modes and settings.

Large size observing window(with UV shield filter)

UV transmittance is less than 0.1%. It eliminates most of the harmful UV rays. ★ There is a small amount of transmittance even with the shield, Therefore, please avoid observing continuously for long time.



Bio-Pyramid : Specification	
◆ Maximum shooting area	265mm×205mm (= interior dimension) * May vary, depends on the camera.
◆ Shooting range Include φ52mm sleeve With super mount	310mm 350mm~360mm ★NOTICE : Please select the camera that can be focused to shooting area within these ranges.
◆ Filter Glass filter Gelatin filter	Use φ52mm Use 75mm square filter
◆ Viewer window UV shield filter Transmittance range (220~450nm)	MAX 0.09% Average 0.02% (measured, not guaranteed number)
◆ Size	W287 ×D227mm (=Hood External Dimensions) H 310mm (include camera mounting part) H 415mm (include super-mount)
◆ Weight Body/Super-mount	1040g / 200g