SONICC Specifications

http://www.formulatrix.com/demosite/protein-crystallization/products/sonicc/index.html#tabbed-nav=tab6

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Lens/Objective Options** | Asphere 20 mm EFL | Asphere 20 mm EFL | Nikon CFI S Plan Fluor ELWD 20X | 40x Nikon CFI S Plan Fluor ELWD 40X |
| **Maximum FOL†** | 2.2 x 2.2 mm | 2.2 x 2.2 mm | 1.3 x 1.3 mm | 0.65 x 0.65 mm |
| **Lateral Resolution** | 4 µm | 4 µm | 2 µm | 1.1 µm |
| **Effective N.A.§** | 0.15 | 0.15 | 0.29 | 0.51 |
| **Working Distance** | 13.5 mm | 13.5 mm | 7.5 mm | 3.5 mm |

† Continuous zoom is available by controlling the angle of the scanning mirrors.§ N.A. (numerical aperture) is proportional to the detection limit of SHG.

**Specifications**

**Plate Capacity**  
1 plate at SBS footprint dimension.

**Temperature Regulation**  
Peltier heat exchanger option: regulates temperature within a range of 5°C below or 7°C above ambient +/-0.5°C.

**Compatible Plates**  
SBS standard micro plate (127.8 x 85.5 mm x 14.4 mm)  
Hampton Microbatch  
LCP thin glass(127.8 x 85.5 mm x 1 mm) (should use an LCP adapter for each LCP thin glass plate)

**Physical Dimensions**

**SONICC**

* Depth: 700 mm (27.5 in.)
* Width: 642 mm (25.3 in.)
* Height: 980 mm (38.6 in.)
* Weight: 90 kg (198.5 lbs)
* Shipping weight : 130 kg (287 lbs)

**Electrical Specifications:**

* Robotics: 100-240 V, 50-60 Hz, 950 W max, 1-phase [Fuse : 9A]
* UPS (uninterrupted power supply) for robot and laser: 3400 W
* Computer: 375 W max, 1-phase