

# BeamOn LA U3

**NEW**

IPL (Intense Pulsed light) & Large Laser beams Beam Profiler



The BeamOn LA U3 system is a beam diagnostics measurement system for real-time measurement of CW or Pulsed laser beams. It provides laser beam parameters, such as: beam width, shape, position, power, and intensity profiles. Software also provides report function for beam analysis settings and results.

## Specifications

|                                  |   |
|----------------------------------|---|
| <b>Spectral Response</b>         | 350 - 1150 nm   |
| <b>Sensor Active area</b>        | ∅60 mm (∅55 mm calibrated)  |
| <b>Resolution (H x V pixels)</b> | 1920 x 1200   |
| <b>Gain Control</b>              | x24 (By software)   |
| <b>Exposure</b>                  | 39 µsec to 20 sec (By software)   |
| <b>Beam Resolution</b>           | Better than 100 µm  |
| <b>Beam Accuracy</b>             | ±2%   |
| <b>Damage threshold</b>          | 100 W/cm <sup>2</sup><br>(Contact factor for continues operation and cooling accessory) |
| <b>Saturation</b>                | 100 W/cm <sup>2</sup> with ND1000 filter  |
| <b>Sensitivity</b>               | 0.1 µW/cm <sup>2</sup> at 633nm (VIS-NIR)   |

|                                       |  |
|---------------------------------------|--|
| <b>Cooling conditions</b>             | Filtered pressurized air of 6-8 Bar              |
| <b>Minimal beam size</b>              | ∅5 mm  |
| <b>Frame Rate</b>                     | > 25 fps (AOI)                                   |
| <b>Filter Slider Assembly</b>         | Built-in 5xND filters on a slider                |
| <b>Interface</b>                      | USB 3.0  |
| <b>Pixel Bit Depth</b>                | 12 bits  |
| <b>Synchronization</b>                | •Software<br>•Hardware (external trigger signal) |
| <b>Mounting</b>                       | Built-in   |
| <b>Built-in slider filter</b>         | ND8, ND64, ND200, ND400, ND1000                  |
| <b>Housing Size (L x W x H) in mm</b> | 218 x 172 x 113                                  |
| <b>Power Requirements</b>             | ~2 Watt (Via USB 3.0 interface)                  |
| <b>Weight (typical)</b>               | 1.1 kg with cable                                |

The application program is compatible with Windows 7/8/10 OS (32 & 64 bit). For custom integration, an SDK package software is offered as standard.

## Ordering Information

The system comes with sensor head, a built-in filter slider with a set of 5xND filters, USB3.0 attachment, software and user manual on CD / Flash Drive, carrying case.

**BeamOn LA U3 VIS-NIR:** for spectral range 350-1150 nm

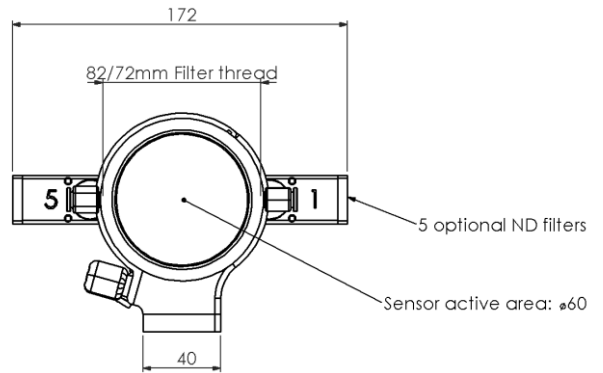
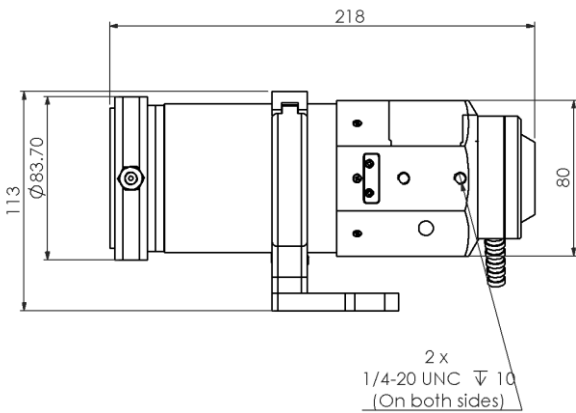
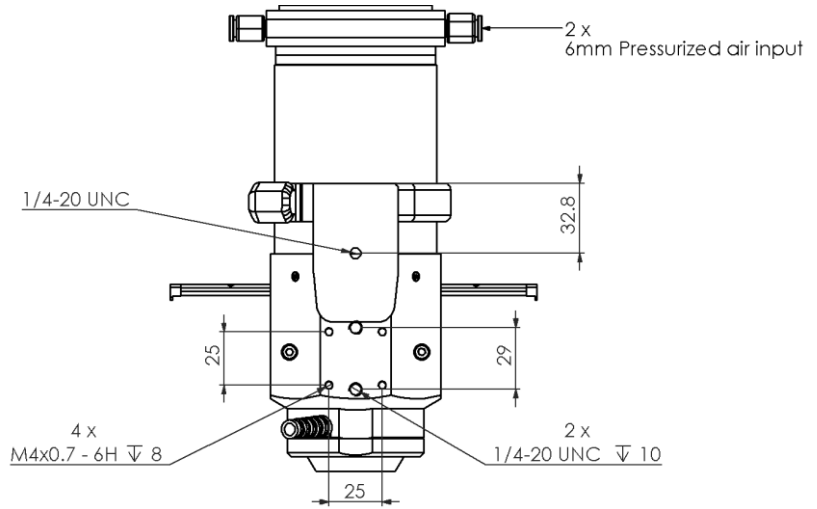
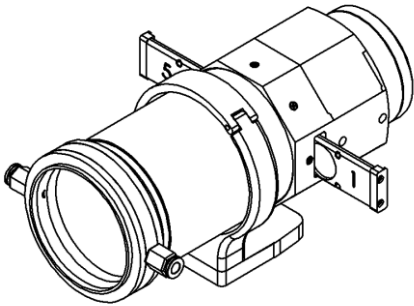
**DUMA OPTRONICS LTD.**



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**NEW**

IPL (Intense Pulsed light) & Large Laser beams Beam Profiler  
with Air Cooling



Dimensions are in mm.

**DUMA OPTRONICS LTD.**



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