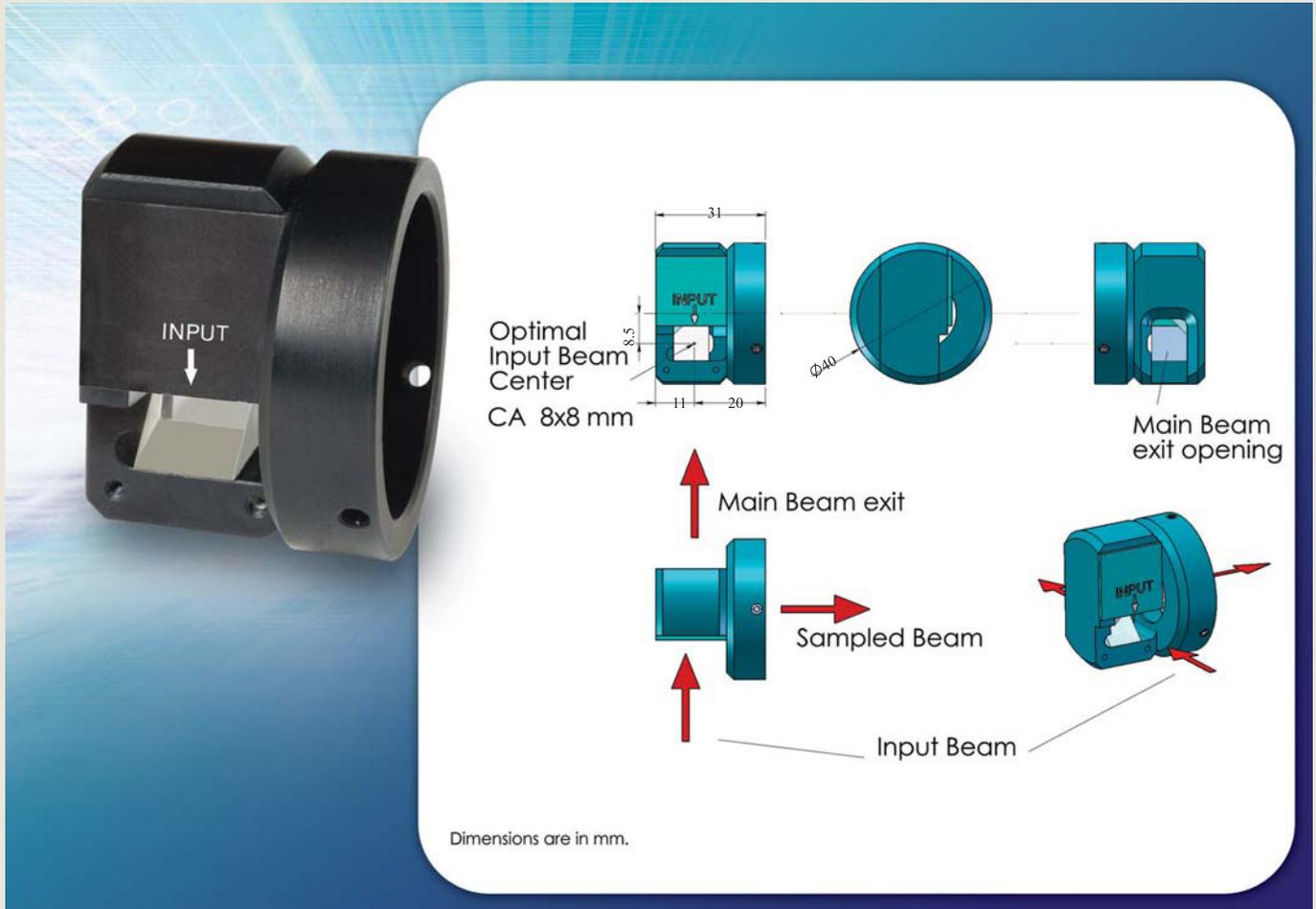


Reflective Beam Sampler



Polarization preserving beam sampler

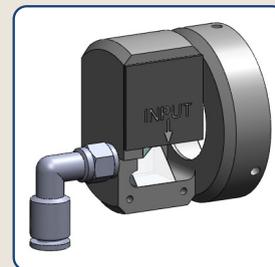
Duma Optronics offers a new reflective beam sampler for our line of high-accuracy, high-power Beam Profilers and Beam Positioning systems

The sophisticated optical beam sampler reflects the beam twice by two orthogonally oriented surfaces, each reflecting about 4% of the incoming beam.

The sampled beam retains the shape and polarization of the incoming beam, while reducing the beam total power.

This is a general-purpose attachment that can be used along with the following measuring heads:

- BeamOn
- BeamOn HR
- Beam Analyzer
- μ Beam
- SpotOn CCD



SAM3-HP



DUMA OPTRONICS LTD.

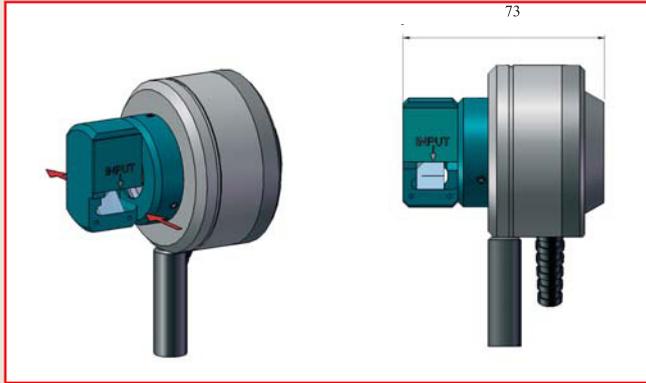
1st Hazait St., P.O.Box 3370 Nesher 20306, Israel Tel:972-4-8200577 Fax: 972-4-8204190

Website: <http://www.duma.co.il> E-mail: sales@duma.co.il

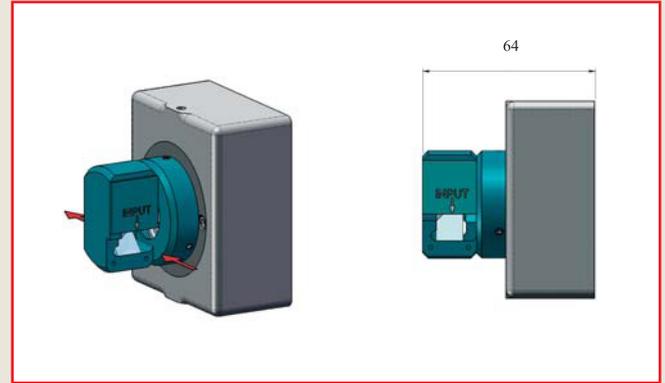


Possible mounting configurations

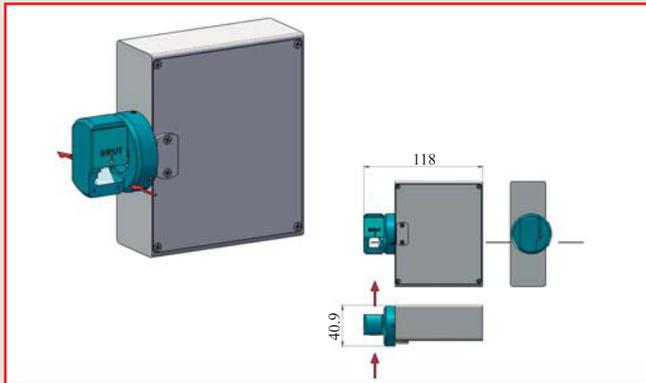
Applicable for both parallel beams and focused beams



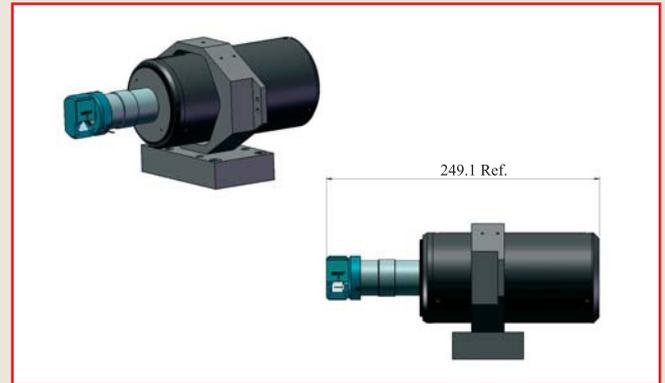
BeamOn / SpotOn CCD + SAM3



BeamOn HR + SAM3



Beam Analyzer + SAM3



μBeam + SAM3

* Dimensions are in mm



Specifications

	SAM3	SAM3-HP
Spectral range		250 - 2000 nm
Sampling reduction factor	0.0016 Average	1.1 X 10 ⁻⁵
Dimensions	40 mm dia. X 31mm length	
Weight	40 Gram	
Clear Aperture	8x8mm	
Minimum optical path from input to sampled surface	25mm (depending on the specific model)	
Recommended Air pressure	—	6-8 Bar
Recommended Air filtering	—	Particle removal down to 1μm including water and oil content
Recommended max N.A.	—	0.2



Ordering Information

SAM3 - A : Attenuator and mounting adapter for BeamOn / BeamOn HR / SpotOn CCD

SAM3-HP-A : Attenuator and mounting adapter for BeamOn / BeamOn HR / SpotOn CCD for High Power beams

SAM3 - B : Attenuator and mounting adapter for Beam Analyzer

SAM3-HP-B : Attenuator and mounting adapter for Beam Analyzer for High Power beams

SAM3 : Attenuator for μBeam

SAM3-HP : Attenuator for μBeam for High Power beams



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