



KEY FEATURES

- **MANAGE THE LASER POWER**
CMOS sensors have low saturation levels as well as low damage thresholds. It is thus very important that you control your laser power to get the best measurement possible and avoid damaging the BEAMAGE camera.
- **SAMPLE YOUR LASER BEAM**
The BA series optical attenuators use Fresnel reflections on two orthogonal wedges to pick off a small fraction of the input beam. The incoming beam polarization state and irradiance are preserved.
- **IMPROVED MECHANICS**
The BA16 models are now compatible with 30-mm cage systems and also include SM1 threads on the input face

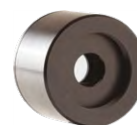
MULTIPLES USES

- Monitor power and beam profile simultaneously
- Polarization insensitive beam-splitter with no back-reflections
- Optical pick-off for use with our energy or power detectors
- Attenuator for our high sensitivity detectors like M6 series and PH series

COMPATIBLE PRODUCTS



BEAMAGE-4M

BEAMAGE-4M-FOCUS
(for BA32-1KW only)

PH series



M6 series

ACCESSORIES FOR BA16-60S

UPI9K-15S-H5
(increase max power to 150 W)UPI9K-110F-H9
(increase max power to 500 W)

ACCESSORIES FOR BA32-1KW

BA32 mounting kit for
BEAMAGE-4MBA32 mounting kit for
BEAMAGE-4M-FOCUSBA32 mounting kit for
UP55N-40S-H9



	BA16-60S	BA32-1KW
MAXIMUM POWER	Up to 500 W	1000 W
EFFECTIVE APERTURE	16 mm ϕ	32 mm ϕ
COOLING METHOD	Convection	Water

MEASUREMENT CAPABILITY

Spectral range	200 - 2100 nm	200 - 2100 nm
Integrated power detector	N/A	Compatible with UP55 series (not included)
Fan input voltage	N/A	N/A
Equivalent attenuation	1/1700 @ 1064 nm	1/1900 @ 1064 nm
Optical wedges material	UV fused silica (uncoated)	UV fused silica (uncoated)
Residual beam deviation	5.6°	3.6° @ 1064 nm
Polarization correction	Yes (pair of orthogonal wedges)	Yes (pair of orthogonal wedges)

DAMAGE THRESHOLDS

Maximum power	With included cover: 60 W With UP15K-15S-H5: 150 W With UP19K-110F-H9: 500 W	1000 W
Maximum average power density	10 MW/cm ²	10 MW/cm ²
Maximum energy density	10 J/cm ²	10 J/cm ²

PHYSICAL CHARACTERISTICS

Aperture diameter	16 mm ϕ	32 mm ϕ
Dimensions	45H x 47W x 81D mm	145H x 250W x 132D mm
Weight	0.26 kg	5.5 kg
Mounting thread	SM1	SM2
Included adaptor	SM1 external threaded tube	N/A

ORDERING INFORMATION

Compatible Stand	STAND-S-233	2x STAND-S-443-C-M
Product Page		