

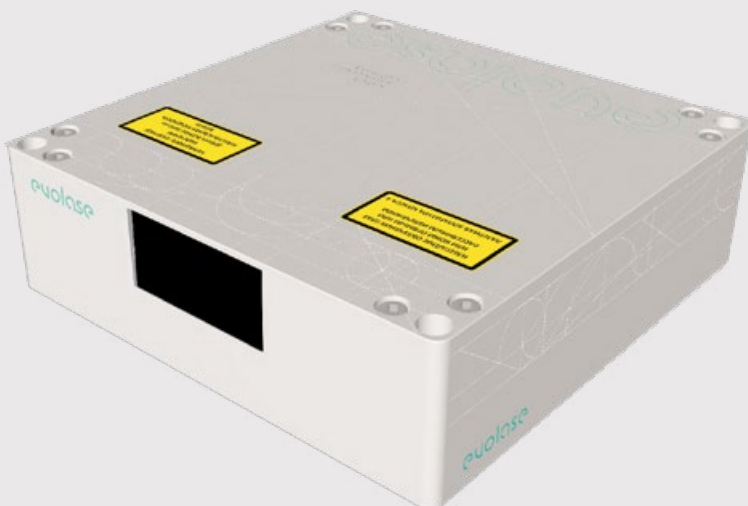
## UKKO LASERS

### NANOSECOND FIBER LASERS



#### UKKO-NS-1064-200

- 200 uJ peak power
- Up to 10 W average power
- Free space output



#### UKKO-NS-1064-100

- 100 uJ peak power
- Up to 10 W average power
- Fiber output

## Specifications

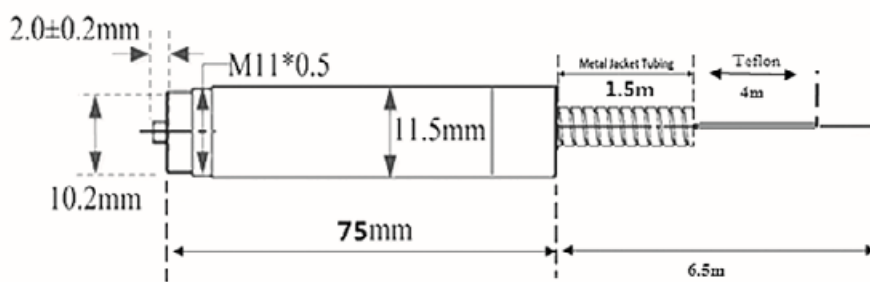
Model	UKKO-NS-1064-100	UKKO-NS-1064-200
<b>Main specifications</b>		
Central wavelength	1064±1 nm	
Laser pulse repetition rate range	10–1000 kHz	
Max. average output power	Up to 10 W	
Max. pulse energy	100 µJ	200 µJ
Power long term stability over 8 h after warm-up (Std.dev.)	< 1.0 %	
Pulse duration (FWHM) at 1064 nm	0.7–4 ns	0.7–100 ns
M <sup>2</sup> parameter	< 1.3	
Polarization (PER)	> 15 dB	
Beam circularity, far field	-	> 0.85
Beam divergence, full angle	-	< 3 mRad
Astigmatism	-	< 0.1
Beam diameter (1/e <sup>2</sup> ) at 50 cm distance from laser aperture	-	1±0.2 mm
Output	<sup>1)</sup> 20/125 µm bare fiber <sup>2)</sup> 20/125 µm fiber with endcap* <sup>3)</sup> collimator	Free space
Control interfaces	RS232, USB, external TTL triggering (optional), TTL signal output synchronized with optical pulse	

## Operating requirements

Mains requirements	24 VDC
Maximal power consumption	100 W
Operating ambient temperature	18–27 °C
Relative humidity	10–80 % (non-condensing)
Air contamination level	ISO 9 (room air) or better

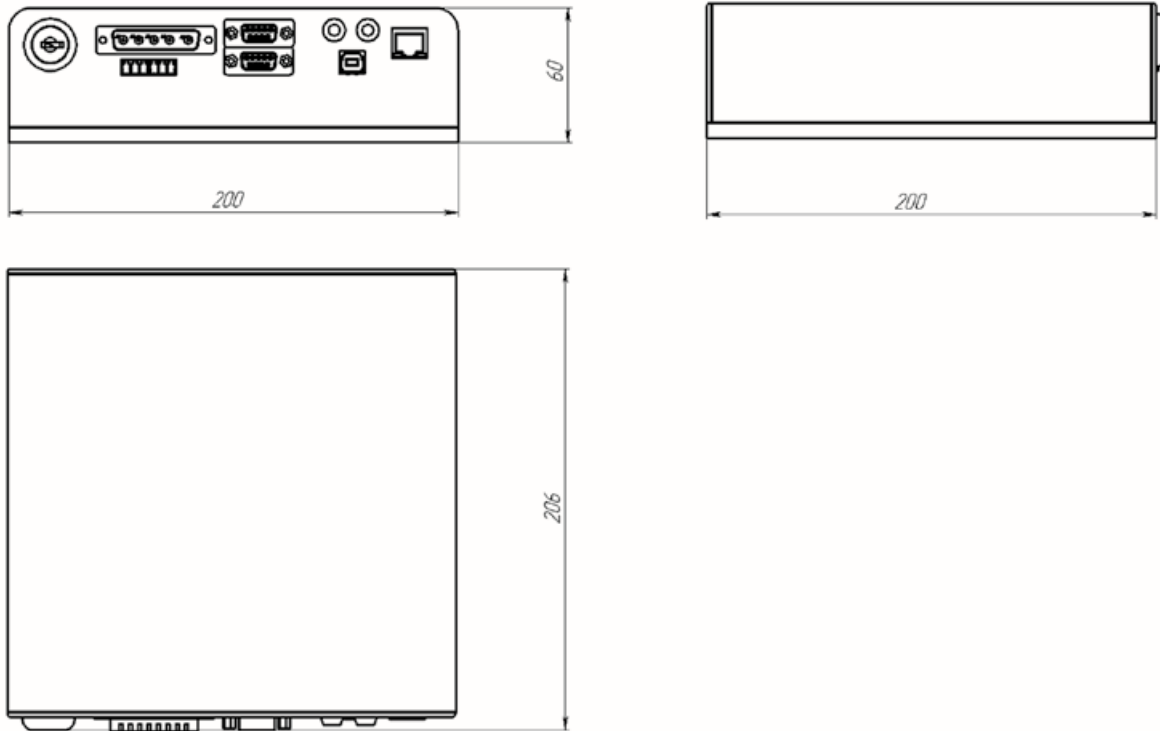
## Physical characteristics

Cooling	Heatsink installation required
Laser size (W × H × L)	200×200×60 mm

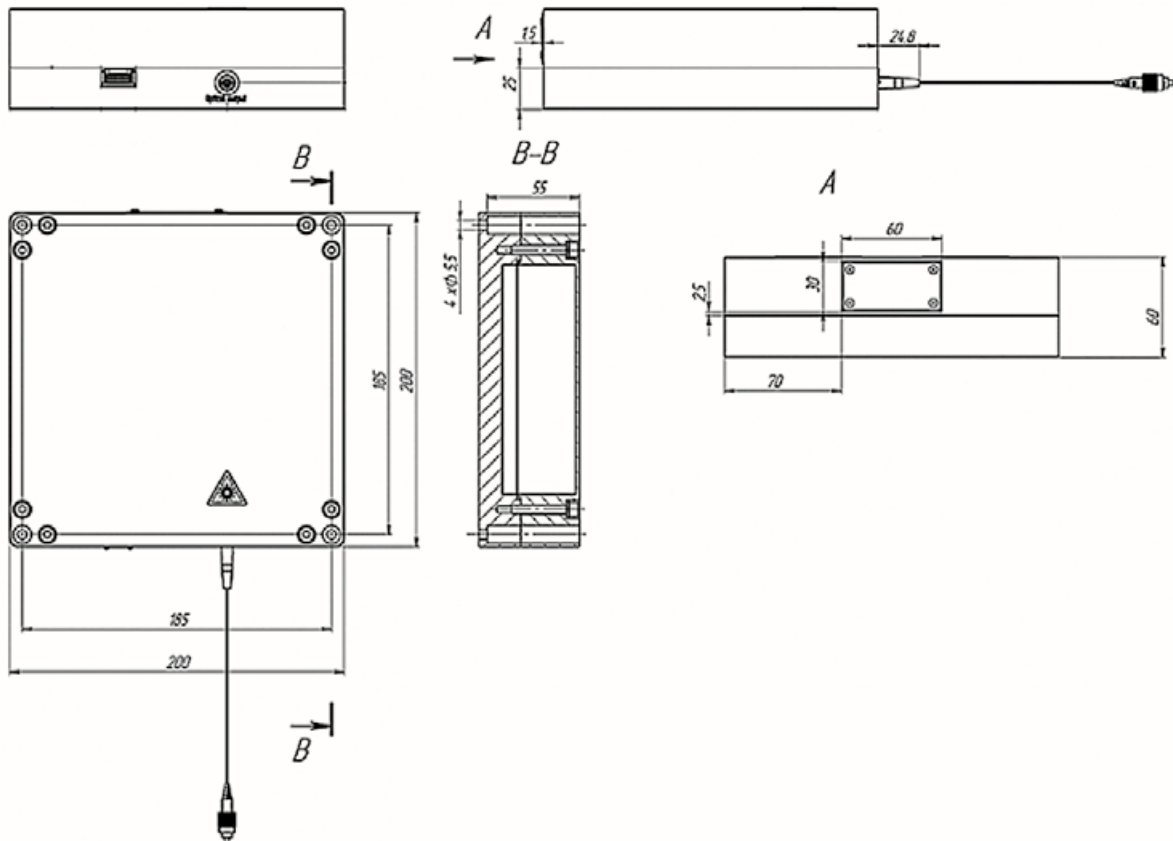


\* Endcap dimensions for the version UKKO-NS-1064-1

## Drawings



UKKO-NS-1064-200 laser dimensions



UKKO-NS-1064-100 laser dimensions