

AURORA-3P-DATASHEET

Parameter	AURORA-3P	
Tuning range	1250 – 1800 nm	
Typical output wavelength	1300 nm and 1700 nm (switchable output)	
	1300nm	1700nm
Pulse duration(FWHM)	<60 fs@1300 nm	<70 fs @1700 nm
Repetition rate ¹⁾	Single pulse-1MHz	
Dispersion compensation ²⁾	–4000~+9000 fs ² @1300nm	–12000~ +2900 fs ² @1700nm
Output power ³⁾	1000mW@1 MHz	600mW@1 MHz
Beam quality M ²	< 1.3	
Beam diameter ⁴⁾	2-4mm	
Beam divergence angle	<1mrad	
Beam ellipticity	>0.8	
Pulse energy stability	<1% RMS @24h	
Pulse power stability	<1% RMS @24h	
Dimensions (L×W×H)	812 x 545 x 240mm (LxWxH)	
Weight (kg)	83kg	
Remaining weight (kg)	24kg (Water-cooled machine)	
Power supply requirements	500W	
Power supply requirements for the water-cooled machine	Water cooler 1, 1260W; Water cooler 2, 1020W; Total, 2780W	

(1) Low repetition rate and high pulse energy options available.

(2) Continuous dispersion control; –3000 fs² compensates for microscope with +3000 fs².

(3) Pump laser: 50 W / 50 μJ / 1030 nm, supports higher power customization. Contact us for details.

(4) 1/e², measured after compression output.

(5) Optional extension for 650–900 nm output. Contact us for details.