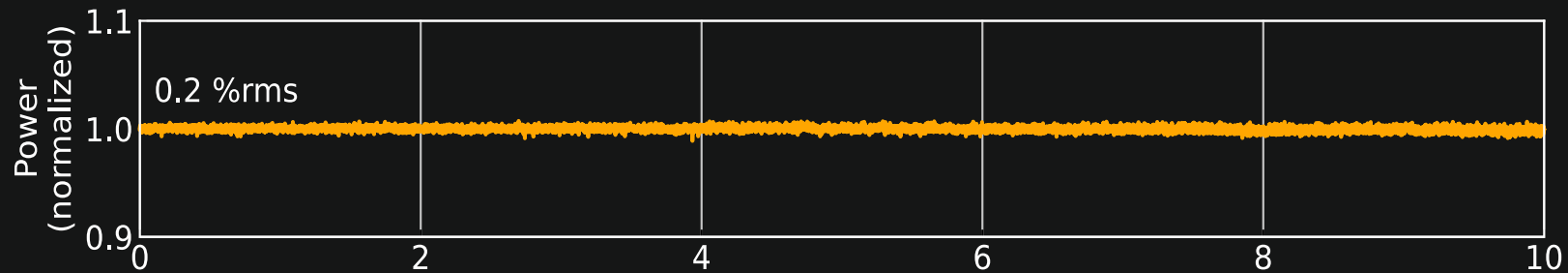
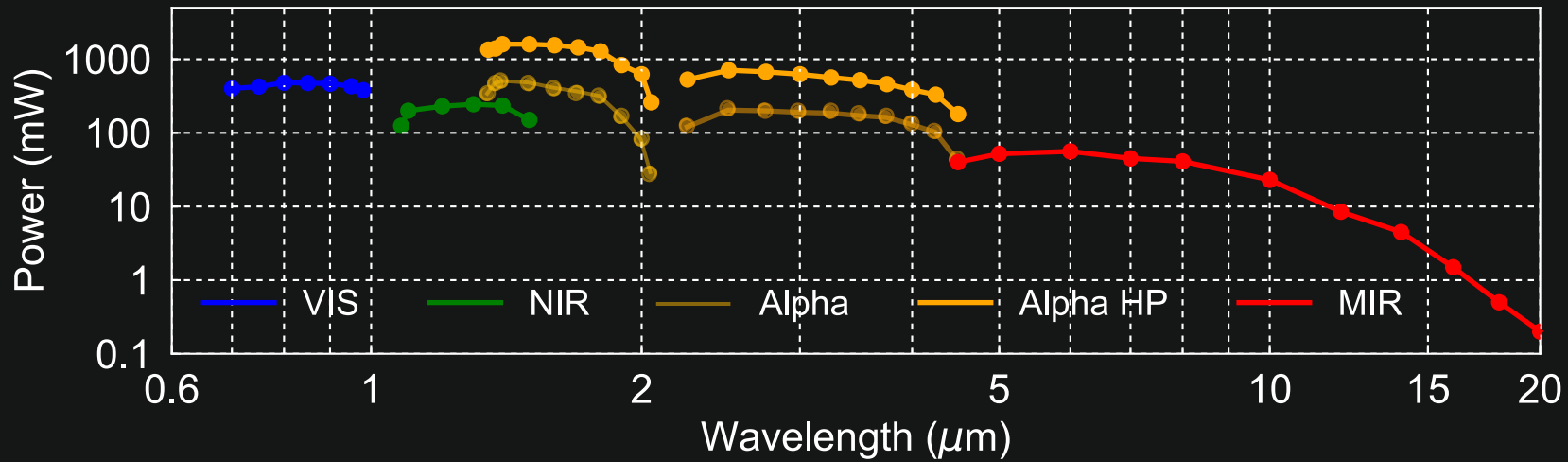


# Alpha 1 ps

Picosecond pulsed tunable laser system



# Alpha 1 ps

Specifications	Primus 1ps	Alpha	HP	MIR	NIR	VIS
Tuning range						
Signal	1.03 ± 0.01 μm	1.35 - 2.05 μm	1.35 - 2.05 μm	4.5 - 20 μm	1.1 - 1.4 μm	700 - 980 nm
Idler		2.15 - 4.50 μm	2.15 - 4.50 μm			
Linewidth (FWHM)	20 cm <sup>-1</sup>			20 cm <sup>-1</sup>		
Average power	8 W	300 mW	1.5 W	80 mW	200 mW	500 mW
Repetition rate	40 MHz			40 MHz		
Pulse width (FWHM)	1 ps			800 fs		
Time bandwidth product	0.34	0.5 (typ.)	0.5 (typ.)	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6
Power stability (RMS)	< 0.3 %	< 0.5 %	< 0.5 %	< 1 %	< 1 %	< 1 %
Spectral stability (RMS)		< 0.02 %	< 0.02 %			
Beam pointing (RMS)		< 10 μrad	< 10 μrad			
Shot-noise limited	> 300 kHz			> 300 kHz		
Ethernet + WIFI		✓	✓	✓	✓	✓
GUI / API		✓	✓	✓	✓	✓

