1. Optical characteristics

N	Characteristics	Parameter value	Unit
1	Central wavelength	355	nm
2	Maximum pulse energy	> 160(@60kHz)	μJ
3	Output Power	> 10(@60kHz)	W
4	Frequency tunable range	50-200	kHz
5	Pulse Width	13±2ns@60kHz	ns
6	Output power stability	< 3%	RMS
7	Pulse stability	<3%	RMS
8	Beam quality M^2	< 1.3	/
9	Beam pattern	TEM_{00}	/
10	Spot roundness	＞90	%
11	Polarization direction	Level	/
12	Collimated beam diameter (after 10X beam expansion)	5±0.5	mm
13	Divergence angle	<2	mrad
14	Pointing stability (8 h)	<25	urad/°C
15	Warm- up time	＞15	min

2. Electrical characteristics

N	Characteristics	Parameter value	Unit
16	Power supply voltage	24	VDC
17	Working current	< 10	ADC
18	Power consumption	< 240	W
19	Recommended power	≥ 350	W

3. Environmental requirements

N	Characteristics	Parameter value	Unit
20	Ambient temperature	15~ 35	℃
21	Storage temperature	- 10~50	℃
22	Ambient relative humidity	< 90 (no condensation)	%

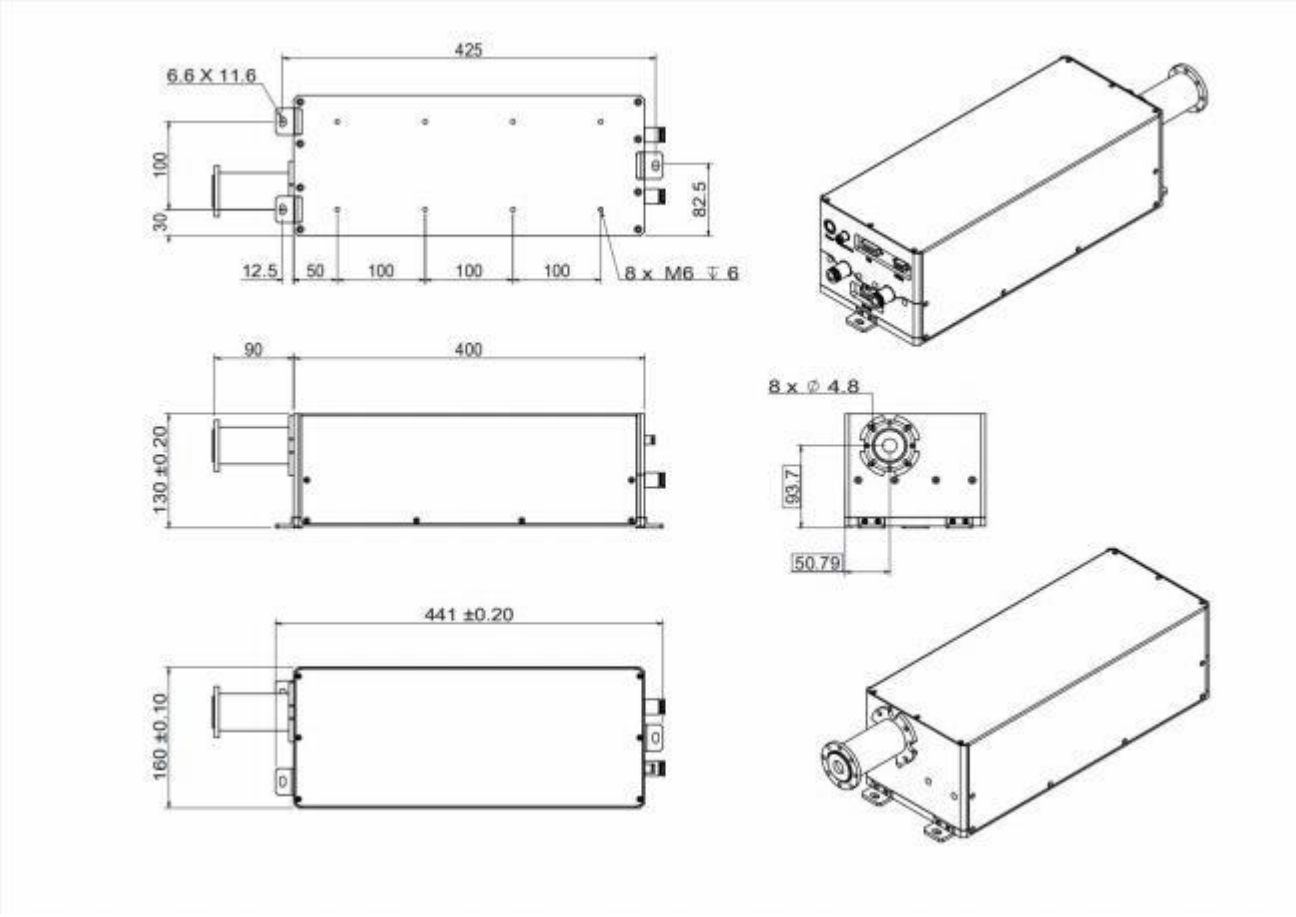
4. Water cooler requirements

N	Characteristics	Parameter value	Unit
23	Cooling capacity	> 580	W
24	Water flow	> 6	L/min
25	Water tank temperature control	25±0. 1	℃

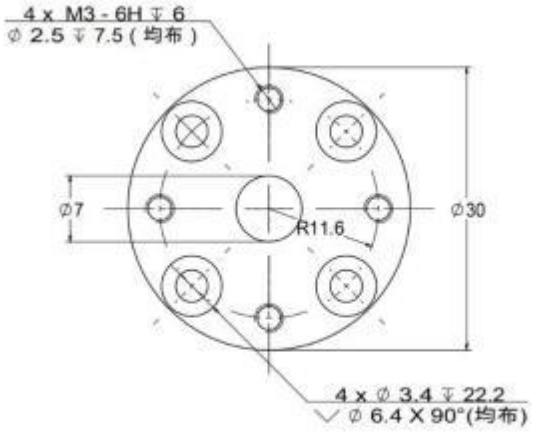
5. Structural characteristics

N	Characteristics	Parameter value	Unit
26	Laser dimension (without feet and galvanometer adapter)	400*160*130	mm^3
27	Net weight	<12	kg

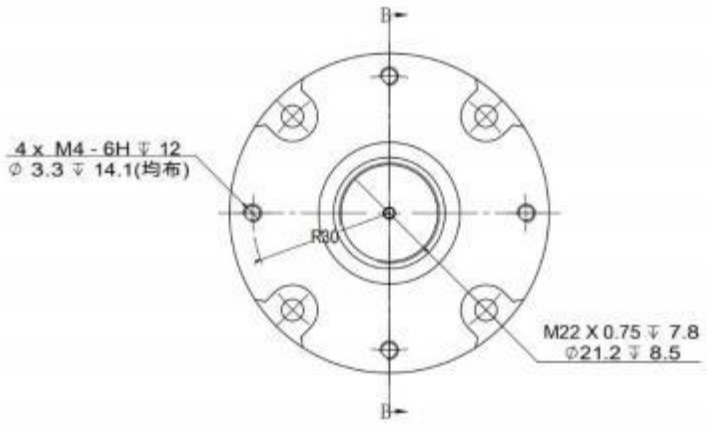
6. Dimension



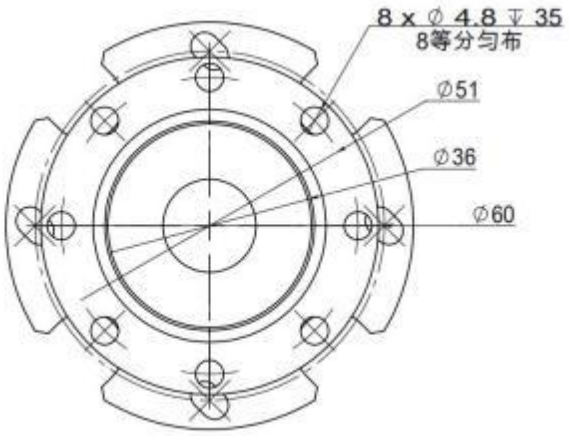
7. Flange beam expander mounting hole size reference （M3 through hole）



8. Threaded beam expander mounting hole size reference (M22 threaded hole)



9. Galvanometer connection tube



10. Galvanometer adapter