

Grating technical parameter table			
Working power supply	DC10V-30V		
Power	<5W		
Beam pitch	20mm	40mm	
Resolution ratio	30mm	50mm	
Number of optical axes	4、6、8.....80	4、6、8.....80	
Protection Height	The protection height : $H = (N-1) \times \text{Optical axis spacing}$ , N: number of optical axes		
Field Emission Lamp	940nm		
response time	Response time = $(N \times 0.1\text{ms}) + 0.4\text{ms}$ (N Number of optical axes)		
(OSSD)	PNP transistor output: Load current $\leq 200\text{mA}$ , residual voltage $\leq 1\text{V}$ (excluding voltage drop caused by cable extension), leakage current $\leq 1\text{mA}$ . NPN transistor output: Load current $\leq 200\text{mA}$ , residual voltage $\leq 1\text{V}$ (electricity caused by cable extension) Excluding voltage drop, the leakage current is $\leq 1\text{mA}$ .		
ESD protection circuits	Power overvoltage protection, reverse polarity protection and output overcurrent protection		
Mutual shooting distance	2mm-30m		
anti-light interference	10,000Lux ( angle of incidence $> 5^\circ$ )		
deformed grating pattern	Radiative-convective model		
synchronization method	line locking		
shell material	Aluminium		
level of protection	IP65		
sectional dimension	35*50mm		
resistance to shock	Frequency: 10Hz-55Hz, amplitude: $0.35 \pm 0.05\text{mm}$ , 20 times each in the X, Y and Z directions		
operating temperature	/-10℃ - 55℃ (No condensation)		
storage temperature	/ -30℃ - 70℃ (No condensation)		
operating humidity	Temperature 20℃ , Relative air humidity $< 85\%$		