

Red Sparrow™ Series

The Best Choice for Microtype X NIR Measurement Spectrometer



- Micro-Electromechanical Systems (MEMS) Based
- Ultra Small & Light Weight (40g & 40 x 40 x 18 mm³)
- IR Range from 950 ~ 1700nm
- High Sensitivity & Low Stray Light
- Attractive Cost



Specification

Model	RS1680		RS1780	
Wavelength Range	NIRC :900-1700nm		NIRC :900-1700nm	
Sensor	128 pixel InGaAs sensor		256 pixel InGaAs sensor	
Slit	50/100µm		50µm	
Optical Resolution <small>(The resolution of 1083.84nm, 1262.34nm & 1473.28nm with Xenon lamp.)</small>	~15/~21nm (average : 9/17 nm)		3-7nm	
SNR	High Gain	Low Gain	High Gain	Low Gain
	2500	4000	na	na
Dark Noise	High Gain	Low Gain	High Gain	Low Gain
	16	na(<16)	na	na
Dynamic Range	High Gain	Low Gain	High Gain	Low Gain
	4000	na(>4000)	na	na
Stray Light	<0.7%		NA	
Exposure Time	1ms~65s			
Size	40 x 40 x 18 mm ³			
Weight	40g			

Wavelength Response of RS1680

