Description

Tuneable multi-spectral camera evaluation kit based on µFPF filter

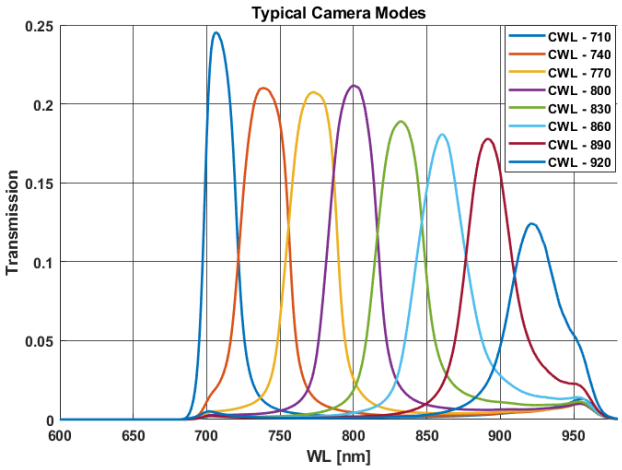
- Python GUI and API
- Touch-panel
- Powered by raspberry-PI

Applications

- Low Cost NIR Spectroscopy
- Small form-factor Tuneable imaging filter
- Fast switching optical modes

Features

- Easy to use capture app
- ENVI standard format
- Standard camera control
- Auto-exposure
- Standard ¼'' mount



EVK- UNS52000 Specifications

Specification	Typical value	Comments
Optics		
F/#	6.54	
EFL	8.5 mm	
H-FOV V-FOV D-FOV	25.4° 16.0° 29.8°	
Sensor Resolution	1280 x 800	
Spectral Bands per Second	4 BPS	
Preview Mode	30 FPS	
Gain	X1 ÷ X10	
Exposure Time	1 ÷ 500 ms	
Filter		
Wavelength FWHM	40nm ± 10	@Image Center
Spectral Response	690-935nm	
Spectral Band Range	705-920nm	± 5nm
Angular dependency [nm/deg]	-1.1nm/deg	Average
Electrical		
Input Voltage	5Vdc	
Power consumptions	5W	RMS
Peak Current	>3Amp	To work with LEDs
Working Conditions		
Operating Temperature	0°-70 °C	
Humidity	<90%	
Interface	Ethernet	
Working modes	Spectral cube / single frame	
Saved Format	ENVI (Raw) & PNG	
Size	105x70x55 mm	