Description

Tuneable multi-spectral camera evaluation kit based on µFPF filter

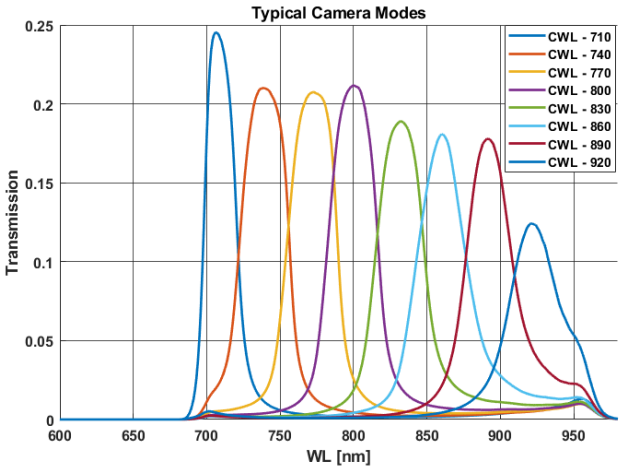
- Python GUI and API
- Touch-panel
- Power by raspberry-PI

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

	Nnominal value	Comments
Camera		
Clear aperture	1.3 mm	
EFL	8.5 mm	
FOV	30°	
Max Frame-Rate	20 FPS	Typical 12 FPS
Filter		none polarized light. Normal incidence
FWHM	45-50 nm	10% variance
Wavelength range	700-940 nm	
Wavelength accuracy	±5 nm	
Max peak transmission	50 %	
repeatability	±2 nm	
Angular dependency	-1 nm/°	
FWHM Angular dependency	2 nm/°	
CWL Temperature coefficient	-1 nm/°C	
Electrical		
Power consumptions	5 W	RMS
Input Voltage	5 Vdc	
Peak Current	>3 Amp	To work with LEDs
Working Conditions		
Operating Temperature Range	10-40 °C	
Humidity	<90%	None condensing
Capturing Cycles	>100k	
Packaging		
Size	105x70x55 mm	