



Description

Tunable multi-spectral camera module, based on μ PFF filter for the NIR spectrum. Camera can be connected via USB cable either to PC or Mobile Phone

Features

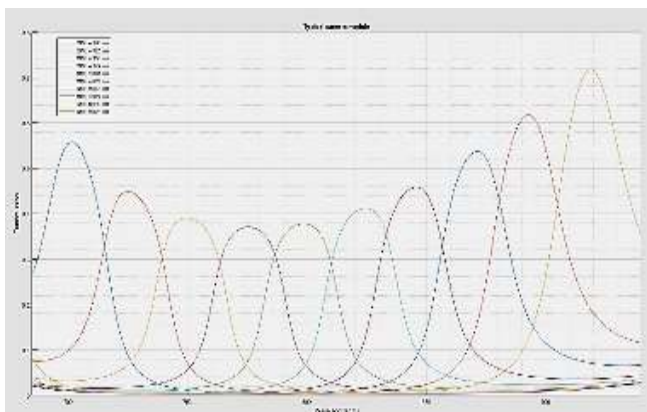
- Plug & Play Connection
- ENVI standard format
- Standard USB interface
- Standard 1/4" mount
- Accesories for mobile assembly

SW Lib:

- Python/C API for Windows
- Android API

SW APP:

- App for Windows
- App for Android



MONARCH Multi-Spectral Camera Module

Product cat. No. UNS83010

Specifications

Specification	Typical value	Comments
Optics		
F/#	4.7	
EFL	4.98 mm	
H-FOV V-FOV D-FOV	31.5° 25.5° 39.8°	
Sensor Resolution	1280 x 1024	
Spectral Bands per Second	23 BPS	
Preview Mode	60 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	@ 30° FOV
Electrical		
Input Voltage	5 Vdc	
Power Consumption	<1.6W	peak
Peak Current	0.32 Amp	
Working Conditions		
Operating Temperature	0°-70 °C	
Humidity	<90%	None condensing
Add Ons	Cable mount Tripod mount Mobile mount	
Interface		
Working modes	Spectral cube/ single frame	
Saved Format	ENVI (Raw) & PNG	
Size	60x40x10.5mm	

Technical Drawings:

