

TOUCAN Camera

Wide Spectral Range
Multispectral Camera

SILIOS Technologies' TOUCAN Sensors and Cameras are based on the *COLOR-SHADES*® pixelated filter technology.

These snapshot multispectral cameras capture 4.2Mpx raw images made of ten 512x512 pixels spectral sub-images over the full VIS+NIR spectral range (400-900nm).



Snapshot Multispectral Camera
400-900 nm Spectral Range
10 Spectral Bands
4.2 Mpx Raw Spatial Resolution
10 Bits
USB3.0



**THE UNIQUE VIS+NIR
SNAPSHOT MULTISPECTRAL CAMERA
AVAILABLE ON THE MARKET !**

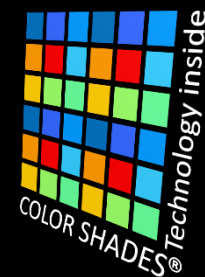


SILIOS Technologies
ZI Peynier-Rousset
Rue Gaston Imbert prolongée
13790 Peynier (France)

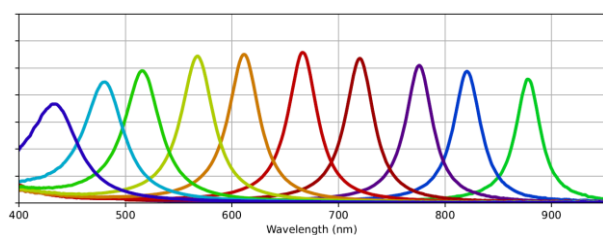
Tel : +33 (0)4 42 53 89 60
Fax : +33 (0)4 42 53 89 59
Email : contact@silios.fr
www.silios.com

TOUCAN Camera

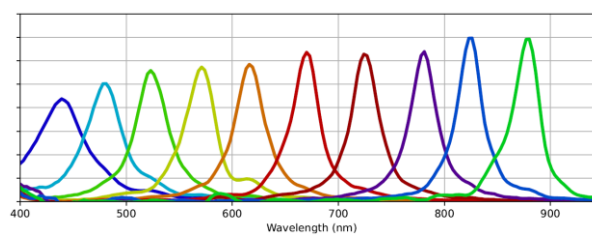
Wide Spectral Range
Multispectral Camera



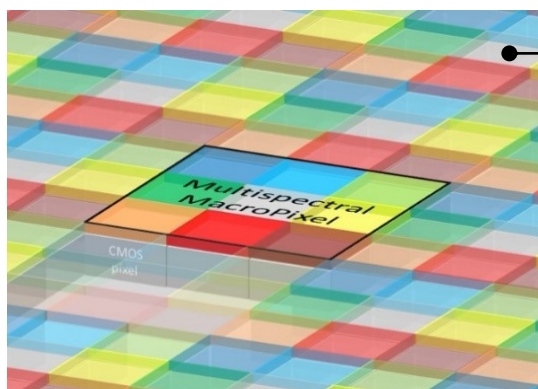
	FEATURES
Wavelength range (nm)	420-870 nm
Number of Bands	10
Bandwidth (FWHM)	30 to 50 nm
Imager Type	CMOS sensor
Spatial Resolution	2048 x 2048 full picture (4.2 Mpx)
Frame Rate	Camera : 65 FPS (10 bits) / COLOR SHADES Lab : 20 FPS (10 bits)
Pixel Pitch	5.5 microns
Bit Depth	10
Interfaces	USB3.0



Typical transmission bands (filter)...

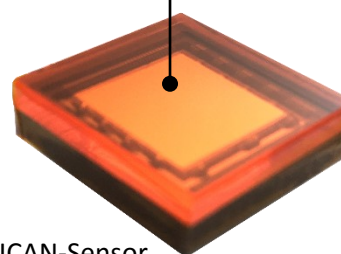


... corresponding typical QE (sensor)



Pixelated Multispectral Filter

Hybrid assembly



TOUCAN-Sensor



SILIOS Technologies
ZI Peynier-Rousset
Rue Gaston Imbert prolongée
13790 Peynier (France)

Tel : +33 (0)4 42 53 89 60
Fax : +33 (0)4 42 53 89 59
Email : contact@silios.fr
www.silios.com