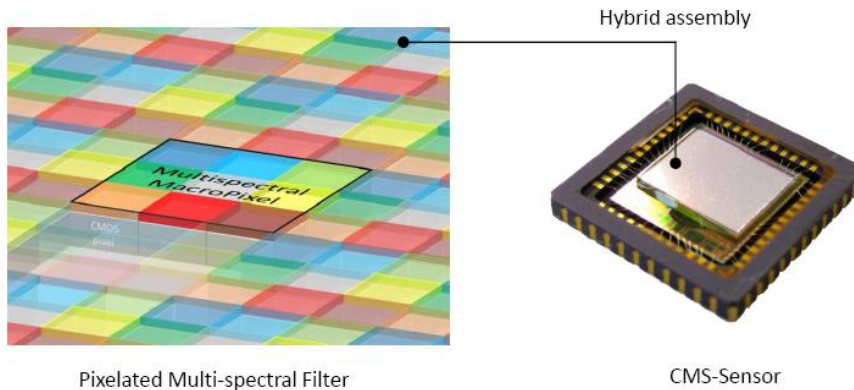


微型多光谱相机 (Snap-Shot)

CMS系列微型多光谱相机基于COLOR-SHADES阵列式多通道滤波技术, 实现了多光谱同时采样, 实现真正的Snap-Shot多光谱采集。



CMS系列微型多光谱相机的另一个特点是其超小的体积, 非常适合无人机携带。

CMS系列微型多光谱相机分为C, V, S三个系列。波段分别覆盖400~700nm, 550~800nm, 650~900nm。每种型号都由八个覆盖不同波长段的通道及一个全谱段通道组成。



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主要应用:

颜色测量, 颜色过程控制

垃圾分选

水果蔬菜检测 (NDVI, MCARI, MSR, SAVI, TVI.....)

现代农业监控, 化肥检测, 灌溉检测

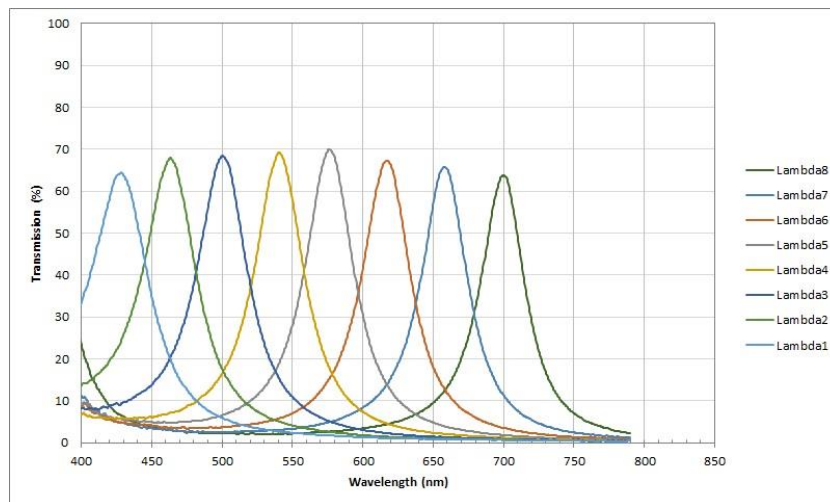
环境检测

安全监控及检测: 入侵检测, 法检, 营救, 国防

技术指标:

	Wavelength range (nm)
CMS-C	400 - 700 nm
CMS-V	550 - 800 nm
CMS-S	650 - 900 nm

	Sensor	Camera
Number of bands	9 (8 colors + 1 B&W)	9 (8 colors + 1 B&W)
Bandwidth (FWHM)	30 nm	30 nm
Imager type	CMOS sensor (e2V Ruby)	CMOS sensor (e2V Ruby)
Spatial resolution	1280x1024 full picture	1280x1024 full picture
Frame rate	up to 60 full frame/s	up to 25 full frame/s
Pixel pitch	5.3 microns	5.3 microns
Bit depth	8 or 10	8
IO port	-	USB 2.0 (optional: USB 3.0, GigE)



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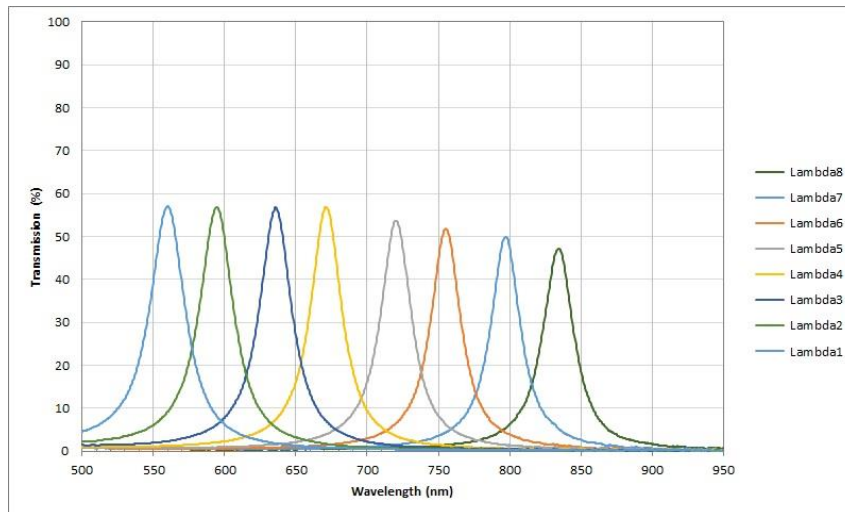
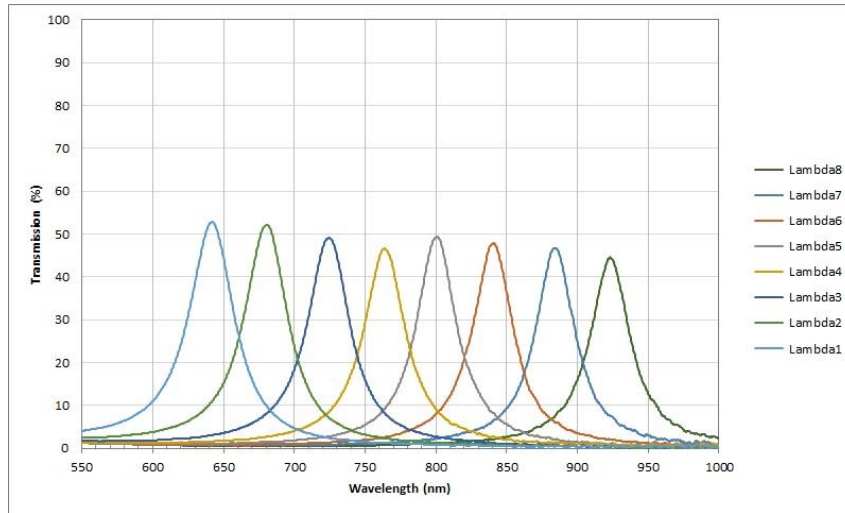
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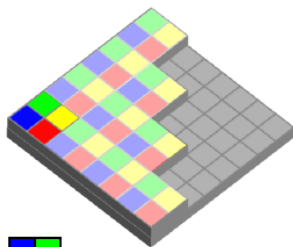
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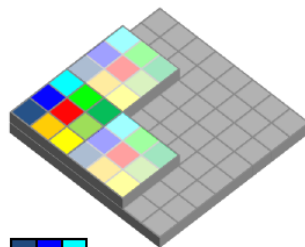
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同时，我们还可以提供各种通道多光谱相机的定制服务。欢迎来电咨询，021-51083793。



4 interleaved images
Resolution : $N/2 \times M/2$



9 interleaved images
Resolution : $N/3 \times M/3$



16 interleaved images
Resolution : $N/4 \times M/4$

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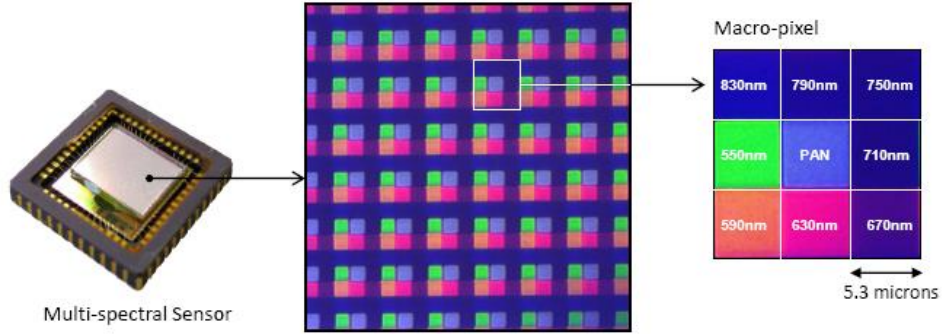
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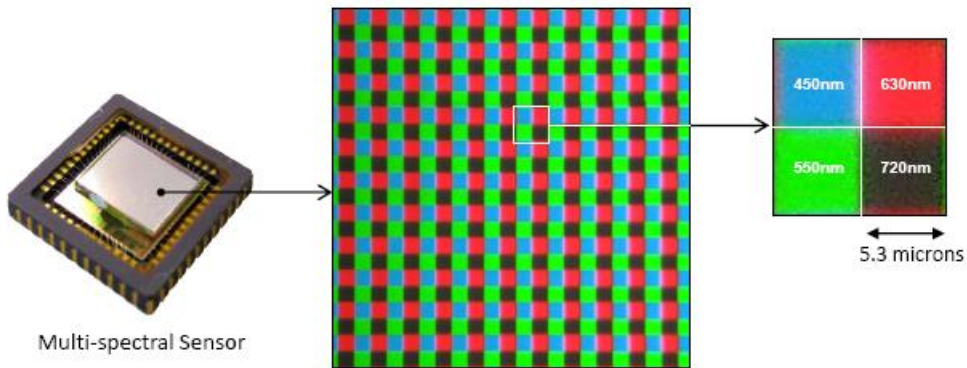
Example 1

Spectral characteristics : 8 bands in the range [550-800nm] + 1 panchromatic
 Resolution : 1.3 Mp (1280x1024)
 Pixel pitch : 5.3 microns



Example 2

Spectral characteristics : 4 bands in the range [450-750nm] (Blue, Green, Red, NIR)
 Resolution : 1.3 Mp (1280x1024)
 Pixel pitch : 5.3 microns



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