

# VNIR-SC

## VNIR External-Scan Hyperspectral Camera

### IOC VNIR-SC

推掃式可見近紅外高光譜



標準暗箱拍攝架構 (請參考配件:暗箱系統)

### Key Features

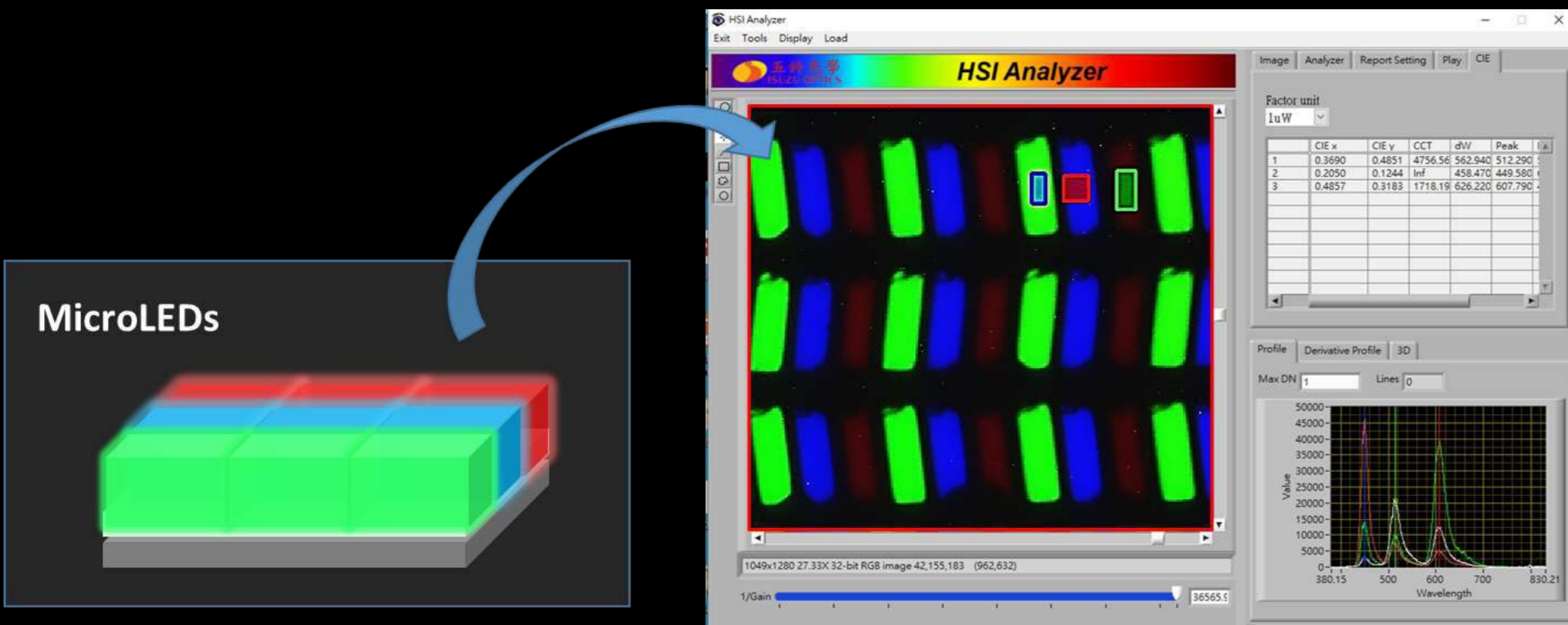
- Spectral range: 400-1000nm
- Spectral Bands: 800 bands
- Resolution: 2000 x 2000px
- Dynamic range: 16bit
- Capture speed: 40 lines/sec

### Application

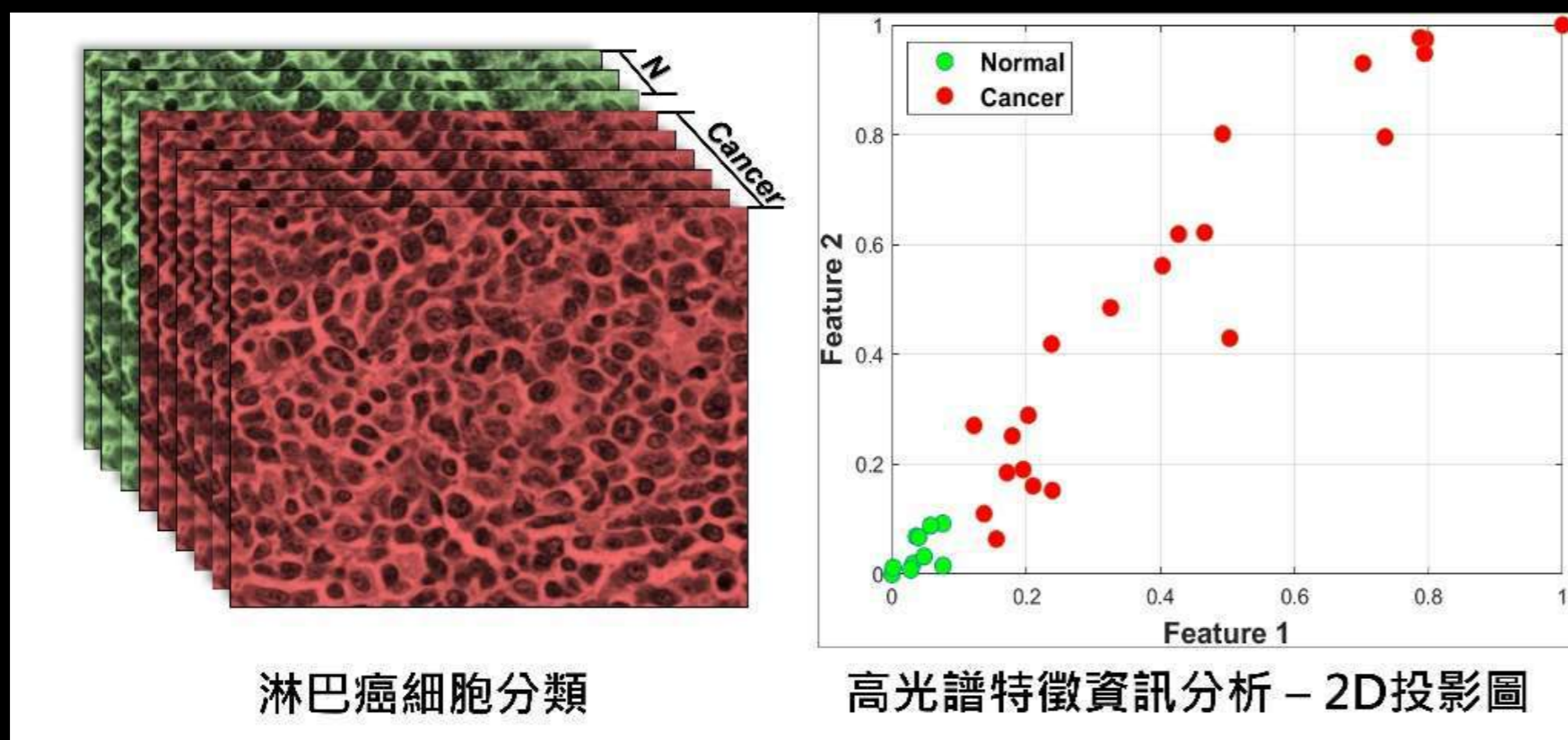
- Biomedical
- Agriculture
- Food quality grading
- Industrial machine vision
- Recycling management

### Application:

◆ VIS (380-800nm) 可見光高光譜相機適合各種工業產品 (顯示器, 光源, 印刷, 紡織, 染料, ...) 的顏色控管及測量



◆ VNIR(400-1,000nm) 近紅外高光譜相機適合生醫研究, 違禁品及偽品檢測, 植物生長及環境水質污染檢測等。



### Specification

型號 Model	VNIR-SC
影像感測器/光譜範圍 Sensor and Spectral Range	sCMOS Sensor 380-800 nm/400-1000 nm
總畫素 Pixels (spatial x spectral)	2000 x 2000
類比數位轉換值 Analog-Digital Converter	16 bits
影像分光模組選擇 Imaging Spectrograph Options	VIS : V8E (380~800nm) VNIR : V10E (400~1,000nm)
截止濾波片選擇 OBF Option	VNIR : OBF570
鏡頭轉接環 Lens Mount	C-mount
相機制冷效能 Camera Cooling	-10°C
傳輸介面 Interface	USB 3.0
電控掃描機制 Scanning Mechanism	External motorized linear stage
工作溫度 Operating Temperature	+5 ~ +40 degree C , Non-condensing



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