

HYPERSPECTRAL CAMERA - FS-17



Hyperspectral Camera - FS-17 hyperspectral imaging device features an InGaAs matrix image sensor with high sensitivity, offering excellent spectral and spatial resolution.

Its applications are broad, spanning agriculture, food, pharmaceuticals, and environmental fields.

The camera supports a USB3.0 interface and is compatible with standard C-Mount lenses, providing flexibility and ease of use. It is designed for easy integration into devices for real-time hyperspectral imaging. With a unique optimization algorithm, it achieves high-speed acquisition and processing, ensuring efficiency and stability. The FS-17 is a reliable hyperspectral imaging solution.

APPLICATIONS

Measurement principle

Hyperspectral Camera - FS-17

Typical application

Hyperspectral Camera - FS-17Hyperspectral Camera - FS-17

FEATURES

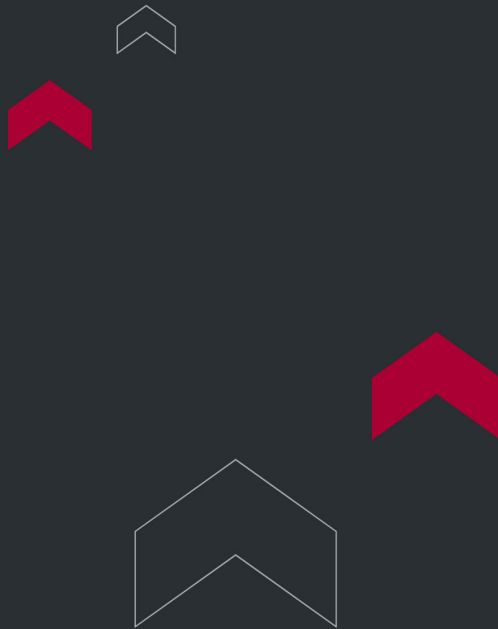
- Spectral Method: Transmission grating

- Number of Spatial Pixels: 1280
- Spectral Range: 900-1700nm
- Spectral Channels: 1024
- Imaging Speed: Up to 1800fps after ROI
- Slit Width: 25μm
- Spectral Resolution: 8nm
- Camera Interface: C-Mount

TECHNICAL SPECIFICATIONS

Model number	FS-17
Spectroscopic method	Grating
Spectral range	900-1700nm
Spectral channel	1024
Spectral resolution (FWHM)	6nm
Slit width	25um
Transmission efficiency	> 60%
Stray light	< 0.5%
Number of spatial pixels	1280
Pixel size	5um
Imaging speed	8bit/1024 bands 132 frames/SEC,12bit/1024 bands 70 frames/SEC,8bit/512 bands 253fps, up to 1800fps after ROI
Probe	InGaAs
SNR(Peak)	600/1

Camera output	Start
Camera interface	C-Mount
Attachment	Lens, USB cable, power supply
ROI	Multiple regions
Dimension	Length x width x height :16.6cmx7.5cmx7.4cm
Weight	625g
Power dissipation	5W



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