

PTZ hyperspectral measurement system



FS series PTZ hyperspectral measurement system is a measurement system combining hyperspectral camera and PTZ equipment, which can realize real-time monitoring of the shooting area, support automatic scanning and network connection. It can be applied to the analysis and monitoring field based on hyperspectral technology such as river, lake, forestry, agriculture and base.

- Spectral range: 390-1010nm
- Spectral channel number: 1200
- Spectral resolution: 2.5nm
- Head level range: 360°
- Vertical range of PTZ: Positive 90° to negative 90°
- Network connection: Supported



Parameters

Hyperspectral camera

Spectroscopic method	grating
Image resolution	1920 * 1920
Dynamic range	12 bits
Spectral channel number	1200
Spectral range	390-1010nm
Spectral resolution	2.5 nm
Slit width	25um
Transmission efficiency	60% or higher
Stray light level	0.5% or less
Pixel size	5.86 * 5.86 um um
Detector type	CMOS
Standard lens focal length	12mm, 16mm, 25mm, 35mm, 50mm optional
Minimum working distance	100mm
Field Angle	25 °
Minimum exposure time	21us
Maximum exposure time	Ten seconds
Signal-to-noise ratio	600/1
Camera lens interface	C/EF port
Imaging function	There are ROI capabilities that can achieve ROI for a single region
Auxiliary imaging function	The auxiliary view camera monitors the shooting area
Sensor imaging surface dimensions	11.3 * 7.1 mm

Holder

Horizontal range	Horizontal 360°
Vertical range	Positive 90° to negative 90°
Cruise scan mode	Preset point, auto scan, Frame scan, panoramic scan

Network

client	Support wins10 and later systems
Support protocol	IPv4/IPv6, HTTP, HTTPS
Interface protocol	FIGSPEC SDK

Port

port	USB3.0/1000M Network interface ₂₃₁₈₁₅
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General norm

Operating temperature and humidity	-20 ℃~40℃; Humidity less than 80%
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