

# BRIMROSE

## AOTF Hyperspectral Imager

*Robust, Reliable and Accurate*

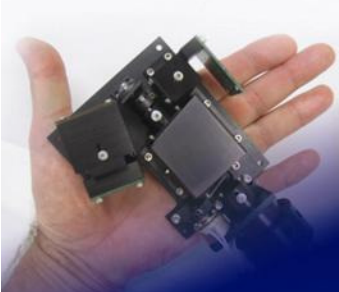
- Low Power Consumption
- Rapid Wavelength Selection
- 16,000  $\lambda$ /sec
- Solid State: No Moving Part
- High Spatial Resolution
- C-mount Interface
- OEM Integration
- Wide Operational Temperature Range
- No Hysteresis



BRIMROSE has introduced the **VA210 series** of AOTF-NIR\* Hyperspectral Imagers designed for measuring visible or NIR hyperspectral imaging information remotely on a variety of materials.

The VA210 Series is suitable for biological, biomedical research, military as well as online process monitoring and waste material sorting. The imager will feature a  $6.4 \times 4.8$  mm InGaAs Sensor with high spatial resolution up to  $2560 \times 1920$  pixels. Brimrose's AOTF Hyperspectral Imaging System provides enhanced image quality and is optimized for minimum image distortion.

\* Acousto-Optic Tunable Filter Near Infrared



**[www.brimrose.com](http://www.brimrose.com)**

*Brimrose Corporation of America*  
*Phone: +1 410 472-7070 Fax: +1 410 472-7960*  
*E-Mail: [office@brimrose.com](mailto:office@brimrose.com)*

### Applications

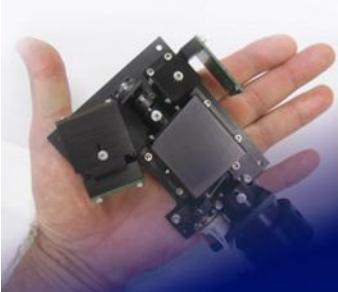
- Military
- Laboratory and Industrial Applications
- Biology and Biomedical Research
- Agriculture Monitoring
- On-Line Quality and Process Control
- Other OEM Applications

### VA210 Series Specifications

Specifications	VA210-.40-0.65	VA210-.55-1.0	VA210-.9-1.7
Device Type	Image Quality AOTF		
Wavelength Range	400-650nm	550-1000nm	900-1700nm
Spectral Resolution	2-6nm		5-20nm
Spatial Resolution	Up to 2560 x 1920 Pixels (6.4x 4.8 mm Camera Sensor Size)		1280 x 960 Pixels
Sensor Size*	6.4 x 4.8 mm (1/2")		12.8 x 9.6 mm
Field of View for Camera System (Horizontal)	1.5 - 6.5 deg with Nikon F-Mount Zoom Lens f70-300mm And 5.7 -13 deg with Nikon F-Mount Zoom Lens f28-80mm		16 deg with Brimrose C-Mount SWIR Lens f22.5mm
Field of View for Microscope System	1.6 mm with 4x objective lens 0.64mm with 10x objective lens 0.16mm with 40x objective lens		
Magnification	1x		2x ~ 2.5x
Camera Mount**	C-mount		
Lens Mount	C-Mount and F-Mount or OEM Integration		
Driving Power	~2 Watts		
RF Connector - type	SMA		
Weight	< 1.0 kg		
Dimensions	W x H x D: 60 x 70 x 178 mm		

\* Other sensor sizes are available upon request.

\*\* Other mounts are available upon request.



[www.brimrose.com](http://www.brimrose.com)

*Brimrose Corporation of America*

*Phone: +1 410 472-7070 Fax: +1 410 472-7960*

*E-Mail: [office@brimrose.com](mailto:office@brimrose.com)*