



AOTF Hyperspectral Imaging AOTF Camera Video Adapter

- *Narrow bandwidth*
- *Rapid wavelength selection*
- *Intensity control*
- *Hyperspectral imaging*
- *C-mount interface*
- *F-mount adapter*
- *Microscope Kit*



Brimrose Corporation of America has introduced a new series **VA200** of **Acousto-Optic Tunable Filter (AOTF) Camera Video Adapters**. These Adapters are designed for visible or NIR spectral ranges. They have C-Mount interface and a F-mount adapter.

The VA200 AOTF system with Brimrose Synthesizer Electronics provides narrow bandwidth, rapid wavelength selection, and intensity control. The designed wavelength ranges depends on the customer's camera and Brimrose's AOTF device.

The VA200 AOTF Camera Video Adapter is designed to have high spatial resolution of up to 2560 x 1920 pixels using 6.4 x 4.8 mm camera sensor area.

The **VA200 Camera Video Adapter System** consists of two zoom lenses covering field of the view from 1.5 to 13 deg.. Also we provide a microscope kit to allow the unit to work as a stand-alone microscope. The microscope kit includes an objective and a microscope tube.

Applications:

- Laboratory and Industry Applications
- Biology and Biomedical Research
- Agriculture Monitoring
- Environmental Science and Remote Sensing
- On-Line Quality and Process Control
- Other OEM Applications

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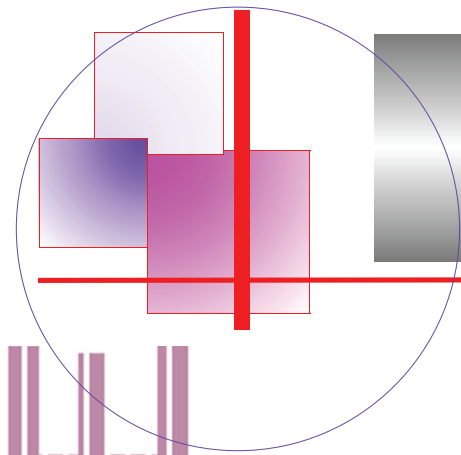
AOTF Hyperspectral Imaging AOTF Camera Video Adapter

MODEL # VA200-.40-0.65-L, VA200-.45-0.75-L, VA200-.55-1.0-L and VA200-.9-1.7-L
Specifications:

| Specifications | VA200-.40-0.65-L | VA200-.45-0.75-L | VA200-.55-1.0-L | VA200-.9-1.7-L |
|--------------------------|---|------------------|-----------------|----------------|
| Device Type | Image Quality AOTF | | | |
| Wavelength range | 400-650 nm | 450-750 nm | 550-1000 nm | 900-1700 nm |
| Spectral Resolution | 2-6 nm | 2-6 nm | 2-6 nm | 5-20 nm |
| Spatial Resolution | Up to 2560 X 1920 Pixels (6.4x 4.8 mm Camera Sensor Area) | | | |
| For Camera Sensor Area * | 6.4 x 4.8 mm (1/2") | | | |
| Magnifications | 1x with 1/2 " Camera | | | |
| Connection to Camera * | C-mount | | | |
| Lens Mount | C-Mount and F-Mount | | | |
| Driving Power | ~2 Watts | | | |
| RF Connector | SMA | | | |
| Weight | 1.0 kg | | | |
| Dimensions | W x H x D: 254 x 67 x 60 mm | | | |
| Microscope Kit | For VA 200 AOTF Camera Video Adapter | | | |
| Field of View | 1.6 mm with 4X objective lens | | | |

*- Other dimension of sensing area are available upon request.

** - Other mounts are available upon request.



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AOTF Hyperspectral Imager Results

