



# Spectra AV – Technical Specifications

MediaOcean Professional Services  
www.mediaocean.com

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## Network

### Network Topology

Minimum 100 Mbps Ethernet.

### Encryption for Internet Access

MediaOcean uses High-grade 256 bit encryption for Internet access.

### Internet Connectivity

As a security measure to protect MediaOcean and customers of MediaOcean, it is required that an Internet Firewall be present at any customer or vendor site that has Internet connectivity.

For connectivity to MediaOcean via the Internet, the following ports must be opened and remain open going forward:

- TCP Port 992 (for MediaOcean Secure Telnet applications)
- TCP Port 515 (for printing)
- TCP Port 22 (for Third-Party Check Writing)

*Note: Ports need only be open to a single MediaOcean IP Address.*

## Desktops

### PC Software Supported

#### Operating System:

- Windows 8.1
- Windows 7

#### Adobe Reader:

- Version 9

#### Java Plug-In:

- Version 8, most current update

### PC Hardware Requirements

#### Speed:

- Minimum 1.8GHz

#### Hard Drive:

- 100MB of available disk space (dependent on modules installed)

#### Memory:

- 2GB Recommended

#### Monitor Resolution:

- 1024x768 Minimum

### Mac Software Supported

#### Operating System:

- Mac OS X 10.9

#### Adobe Reader:

- Version 9

#### Java Plug-In:

- Version 8, most current update

### Mac Hardware Requirements

#### Speed:

- Minimum Intel Core 2

#### Hard Drive:

- 100MB of available disk space (dependent on modules installed)

#### Memory:

- 2GB Recommended

#### Monitor Resolution:

- 1024x768 Minimum

#### Other:

- Validate “Documents” Folder on Root Drive exists *and* that the user has read/write authority. (This is not a standard folder for a Mac.)

## Miscellaneous

### Browser Requirements (Both Mac and PC)

#### All Web-Enabled Products

- PC - Microsoft Internet Explorer 10/11
- Mac with OS X 10.9 – Safari 7.1
- Browser setting for cookies must be enabled
- When using a proxy server, please confirm that the proxy server is not caching av.mediaocean.com
- When using a pop-up blocker, pop-ups must be allowed from mediaocean.com

### Electronic Learning Requirements

- Fast Internet Connection
- Speaker Phone (to have hands free for keying)
- PC or Mac

### Access from Home

- Broadband Connection Recommended

### Desktop Emulation Software

- The supported protocol is TCP/IP. MediaOcean recommends Mochasoft® Mocha TN5250 emulator.
- The recommended tool for Macs is Mocha Mac TN5250. Both Emulators can be purchased from Mochasoft's website: [www.mochasoft.dk/tn5250.htm](http://www.mochasoft.dk/tn5250.htm)

### Logo Requirements (for Optio Forms)

- 300 DPI (900x300 only)
- Monochrome logos only
- BMP format preferred (TIF or GIF accepted if BMP not available)
- Logos no more than 1 ½ inches high

### Logo Requirements (for PDF Forms)

- Logos to be at 300 DPI
- JPG or .GIF format only
- Maximum file size is 65k

### Sizing Files (for PDF Forms)

1. Determine the desired printed size in inches
2. Multiply the height of the logo in inches by 300 (the DPI of the image).
3. Multiply the width of the logo in inches by 300 (the DPI of the image).

**Example:** For a 1" by 3" logo, the image must be 300 H (1" x 300) x 900 W (3" x 300) pixels to appear at 300 DPI on the Browser form.

## Printers

Most printing of reports and forms can be accomplished by using laser printers. Duplex printers are required to print double-sided forms. Check with MediaOcean Spectra AV Technical Services before your final printer purchase.

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