IP Multi SeaCam® Quick Start Guide

Camera Configuration Information

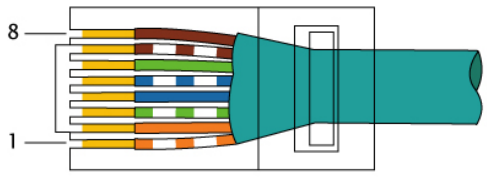
RESERVED FOR 3.75" X 2.75" LABEL

Connecting the Camera

Follow the provided pinout drawing to connect power and Ethernet signals to the IP camera.

Ethernet Communications

The Ethernet interface, if present, follows EIA/TIA-568B standard wiring conventions per the graphic below.



EIA/TIA-568B

Note that only the Orange (TxD) and Green (RxD) wire pairs are required for 10BASE-T and 100BASE-TX operation.

Connecting Power

This camera can be powered either through a discrete 10-36VDC input or via Power over Ethernet. It is not recommended to connect to both power sources simultaneously, however, the camera will prioritize PoE over discrete power.

The camera draws around 2.5W max. Boot time is approximately 15 seconds.

Logging In

Unless otherwise stated above, the default static IP address of the camera will be 192.168.1.250.

Open a web browser and navigate to http://192.168.1.250/ where a prompt will appear asking for a user name and password.

Default Username: root

Default Password: [W515XXXXX][YY]

The factory default password is a combination of the Module ID shown above and the last two digits of the MAC address. For instance, for a camera with Module ID W51500001 and MAC address C4-7C-8D-30-40-0A, the default password would be W515000010A.

Once logged in, the web based user interface will be accessible.

Streaming Video

The default h.264 compressed video stream can be viewed at rtsp://192.168.1.250/h264 using software such as VLC or other tools that can subscribe to a network video using the RTSP protocol. The IP Multi SeaCam is also compatible with the ONVIF Profile-S standard and can be operated using the free ONVIF Device Manager software.

NOTE: When using VLC, the standard input stream cache size is set to 1000ms which will add significant latency to the video feed. Reduce the streaming cache size to improve latency.

Continues on reverse

*Visit **dspl.com/ipmsc** or scan the QR code to download an electronic version of this document and for additional support.*

General Notes

- **Make sure to retain the information in this Quick Start Guide for future reference.**
- Do not attempt to format the onboard memory though the web based user interface. The internal microSD card must be removed and reformatted externally. Use FTP file access to delete recordings if internal memory card access is not available.
- Before attempting any firmware updates, note the Module ID and MAC address of the camera as new firmware may reset user defined log in information back to the default settings.

Frequently Asked Questions

What onboard recording options are available?

There are four recording options:

1) On demand video recording
2) Time delay video recording
3) On demand still frame capture
4) Time lapse still frame capture

What are the onboard memory options?

256 GB (standard), 512 GB, and 1 TB

How long will the camera record for?

The camera recording length depends on the size of the memory card and the recording bit rate.

Bit rate	mm:ss / GB	256 GB	512 GB	1 TB
4 MBPS	~33m:19s	5d:22h:9m	11d:20h:18m	23d:16h:36m
10 MBPS	~13m:20s	2d:8h:51m	4d:17h:43m	9d:11h:26m
20 MBPS	~6m:40s	1d:4h:25m	2d:8h:51m	4d:17h:43m

What kind of microSD card should be used with the IP Multi SeaCam?

SanDisk Extreme microSD cards
≥90 MB/s write speed, V30 (30 MB/s) video capture rating or equivalent

Can the camera record and stream video at the same time?

Yes. The camera supports two concurrent video streams (HD and SD) as well as simultaneous video and time lapse recording.

How are recorded files retrieved from onboard memory?

Recordings can be downloaded directly from the web interface or over FTP. For bulk file transfers, remove the recording media directly. See the user manual for instructions on accessing the microSD card.

DeepSea Power & Light
4033 Ruffin Road
San Diego, CA 92123-181
USA

www.deepsea.com
sales@deepsea.com
T: 1-858-576-1261
F: 1-858-576-0219