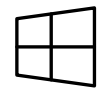


Problem	Possible Solutions
My camera does not auto-discover	<ol style="list-style-type: none"> 1. Is the camera in the same LAN network as the Media Server? 2. Is your camera compatible with DW Spectrum? (Refer to our website for full list of supported cameras.) 3. Is the camera updated to its latest firmware? 4. If your camera is integrated with DW Spectrum via ONVIF, make sure ONVIF is enabled on your camera. 5. Try adding the camera manually. 6. Try rebooting the server after installation. Allow up to 2 minutes for the server to map your network and detect all supported devices.
Videos are slow	<ol style="list-style-type: none"> 1. Are you accessing the same cameras from multiple clients? (LAN & WAN) 2. Do you have a Gigabit network? Check your network speed.
My camera appears disconnected	<ol style="list-style-type: none"> 1. Under camera settings, make sure the user name and password are correct. 2. Under the camera settings, use the 'Ping' button to make sure the camera is connected to the network properly. 3. If you can connect to the camera's web viewer, try rebooting the camera and/or restore it to factory default. 4. Make sure your camera is using the latest firmware available. 5. Make sure that the camera is connected to the same network as the server. 6. If you are connecting to a camera that is integrated with DW Spectrum via the ONVIF protocol (see list), make sure ONVIF is enabled. 7. Make sure your user has permissions to view that specific camera.
I can't get playback video from my camera	<ol style="list-style-type: none"> 1. Do you have network connection between client and server (in case server and client are not on the same machine)? 2. Make sure your user has playback viewing permissions for the selected channel. 3. Make sure the camera is set to a recording mode that would provide recorded video for the selected time and environment. 4. On the server side, check the media server log to make sure the camera you are trying to watch has not been unexpectedly disconnected.
I get an 'unauthorized' message on my camera	<ol style="list-style-type: none"> 1. Make sure the camera's user name and password are properly entered in the camera's general information under the camera settings menu. 2. If necessary, try rebooting the camera to apply the camera's user name and password.

SYSTEM REQUIREMENTS

Recommended Specs for the Full Client



Windows 7



Linux OS

Processor	Intel Core i5 or greater
Video Card	Intel HD Graphics 2500 (or higher) with 1GB Dedicated Memory
Resolution	1920 x 1080
RAM	4GB
NIC	10 / 100 / 1000 Base-T Ethernet
OS	Windows 7/8, Windows Server 2008/2012, Ubuntu 14.04 LTS

Accessing DW Spectrum® Log Files

From the DW Spectrum Client Software:

- Right-click on the Server's name and go to 'Server Logs'.
- You can adjust the number of entries in the log by changing the value at the end of the URL stating 'lines=1000'. For example, 'lines=1' will reduce the log report to a single line of data. 'lines=400' will display 400 lines of data.

Recommended UPS Back Up Battery Models

- APC SMT750
- Tripp Lite SU750XL
- CyberPower E750RT2U
- Any 750VA or higher grade UPS*

* Always better to have higher grade UPS than minimum required.

Tel: +1 (866) 446-3595
Fax: (813) 888-9262



www.digital-watchdog.com
sales@dwcc.tv

Blackjack® BOLT

Servers Powered by DW Spectrum® IPVMS

State of the art hyper-optimized video management platform designed for ease, speed and efficiency.

Blackjack® BOLT – Up to 16 2.1MP Cameras (1080p True HD Resolution)

Blackjack BOLT-LX

DW-BJBOLT2T-LX	DW-BJBOLT4T-LX	DW-BJBOLT6T-LX	DW-BJBOLT8T-LX	DW-BJBOLT12T-LX	DW-BJBOLT16T-LX
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Default Login Information for DW Spectrum® IPVMS

Username: **admin**

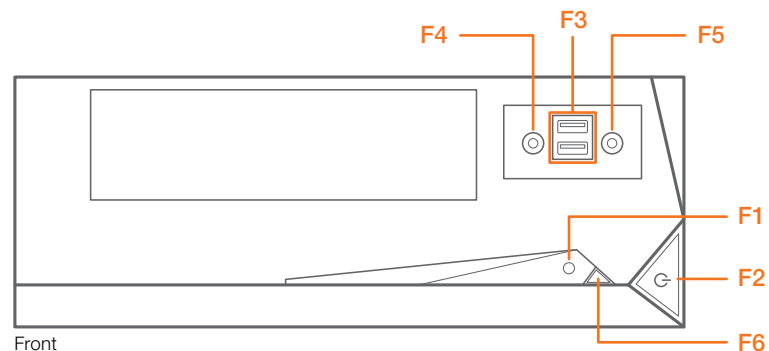
Password: **admin**

WHAT'S IN THE BOX

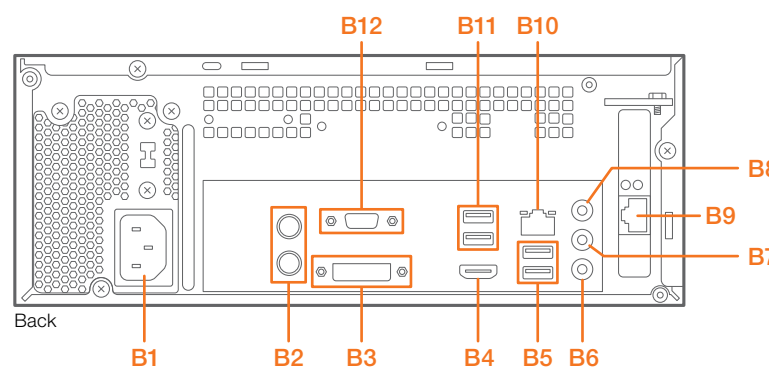
BOLT Server		1 Set	Recovery USB		1 Set	Power Cable		1 Set
Quick Start Guide		1 Set	Keyboard and Mouse		1 Set			

Attention: This document is intended to serve as a quick reference for initial set-up. See the DW Spectrum full manual for more information on features and functionality.

BLACKJACK BOLT HARDWARE



- F1 HDD LED
- F2 Power Button / Power LED
- F3 USB 2.0 Port
- F4 Microphone Jack
- F5 Headphone Jack
- F6 Reset Button



- B1 AC Power Socket
- B2 PS/2 Keyboard and PS/2 Mouse Port
- B3 DVI-D Port
- B4 HDMI Port
- B5 USB 2.0 Ports
- B6 Mic In (Pink)
- B7 Line Out (Green)
- B8 Line In (Blue)
- B9 Ethernet Port to the Camera Network
- B10 Ethernet Port to the Local Network
- B11 USB 3.0 Ports
- B12 D-Sub Port

Default Login Information for Pre-Installed DW Spectrum[®] IPVMS

Username: admin	Password: admin
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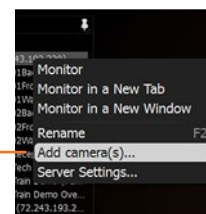
WARNING For an optimal system configuration, it is recommended that a UPS (Uninterruptible Power Supply) be used to power the setup. Dual monitors are not recommended due to CPU performance. To connect two monitors to the BOLT, go to the display setup to activate the second monitor.

SPECIFICATIONS BOLT

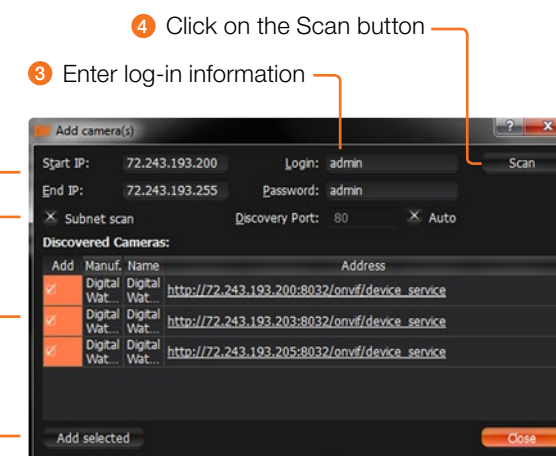
Operating System	Linux [®] Ubuntu [®] 64Bit
IP Cameras	Max 16 IP Cameras
Max Throughput	80Mbps
Recording Speed	1080p: 480fps
Screen Mode	Unlimited Layouts
Max. HDD Bays	2x SATA HDDs
Video Output Options	True HD Output, DVI or D-Sub Port
Recording Resolution	1080p
CPU	Intel [®] Quad Core Processor
Memory	4GB
LAN	2x Gigabit Ethernet (RJ45)
Power	200W
Dimensions	3-7/8" x 14" x 10-3/8" (98.4mm x 355.6mm x 263.5mm) (Standing) 10-3/8" x 14" x 3-7/8" (263.5mm x 355.6mm x 98.4mm) (Desktop)

MANUALLY ADDING CAMERAS

Cameras can also be manually added by right-clicking on the server icon and choosing the 'Add camera(s)' option

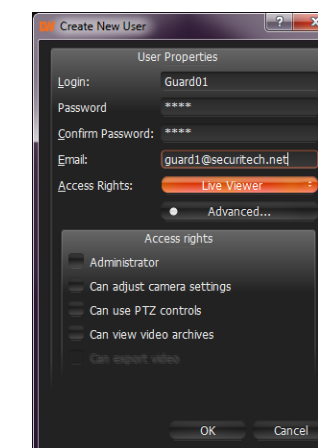


- 1 Enter the camera's IP address, URL, or RTSP information
- 2 Check to select a range
- 5 Cameras will populate the list automatically
- 6 Click to add all selected cameras

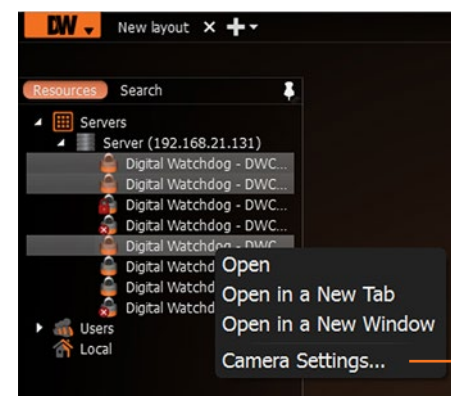


USER ACCOUNTS

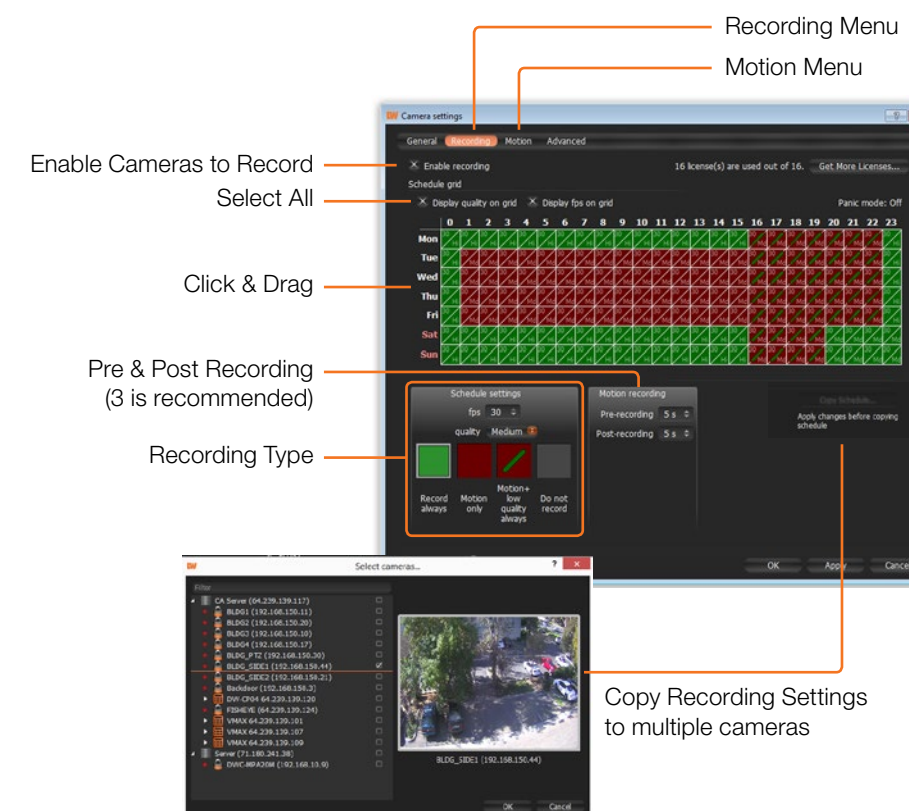
	ADMIN	CAMERA SETTINGS	PTZ CONTROLS	VIDEO ARCHIVES	EXPORT VIDEO	VIEW LIVE VIDEO
Administrator	•	•	•	•	•	•
Advanced		•	•	•	•	•
Viewer				•	•	•
Live Viewer						•



RECORDING SCHEDULE



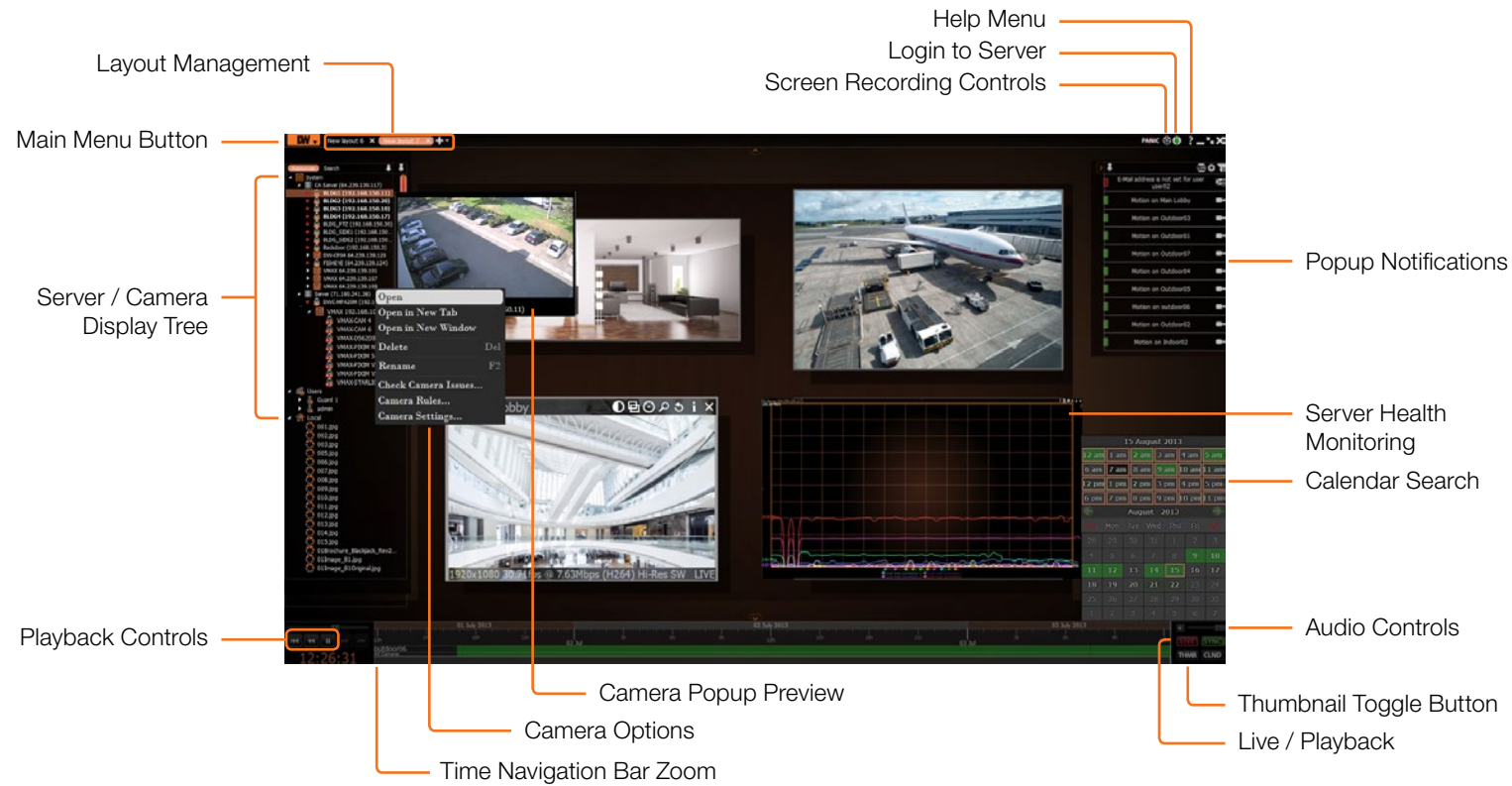
Select cameras and go to "Camera Settings"



- Enable Cameras to Record
- Select All
- Click & Drag
- Pre & Post Recording (3 is recommended)
- Recording Type

Copy Recording Settings to multiple cameras

USER INTERFACE OVERVIEW



LICENSE REGISTRATION

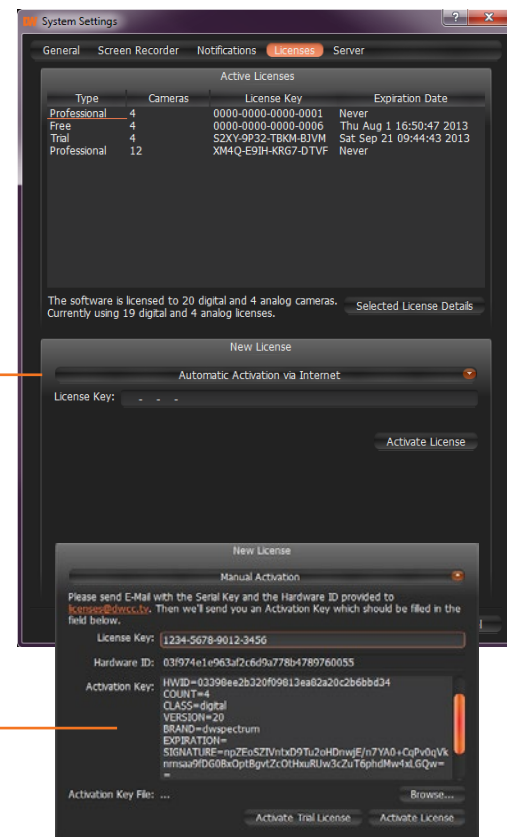
The Blackjack Servers come with complimentary four (4) recording licenses.

OPTION 1: If your server has internet access —

1. Go to **DW Menu Button > System Administrator > Licenses**.
2. Select **'Automatic Activation via Internet'** from the drop-down options.
3. Input your sixteen character license key.
4. Press **'Activate License'**. The system will notify you if the activation was successful.
5. If your licenses have been registered successfully, they will appear under the Active Licenses table.

OPTION 2: If you do NOT have internet access —

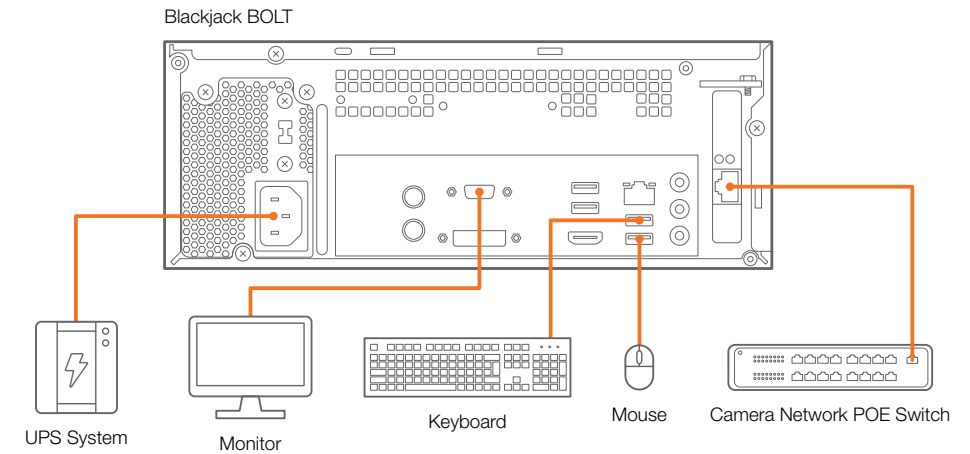
1. Go to **DW Menu Button > System Administrator > Licenses**.
2. Select **'Manual Activation'** from the drop-down options.
3. Copy your hardware ID. This information will be filled out automatically by your server.
4. E-mail your Hardware ID and your License Key to **licenses@dwcc.tv**. Please allow up to 48 hours for Digital Watchdog to reply.
5. Once provided with an Activation Key, Enter this information without altering it in the Activation Key space and press **'Activate Licenses'**.



SETTING UP THE BOLT

STEP 1: Connect peripherals, power and network

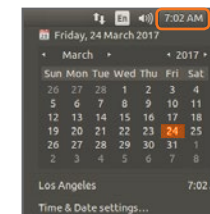
1. Connect a monitor, USB keyboard, USB mouse, and network cable to the camera network (B9 on the diagram).
* Connect cable to the Local Network should be done after the IP settings are configured.
2. Connect the server to an appropriate power source. Recommend to use 750VA or higher UPS system.



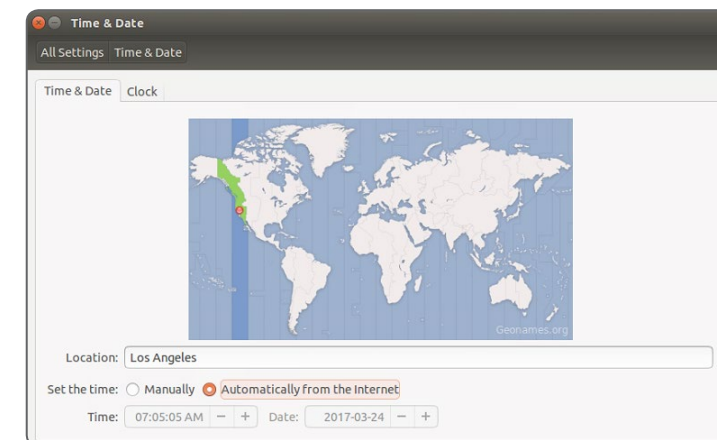
3. Turn on the server (Press the Power Button on front of the BOLT. F2 on the diagram).

STEP 2: Set Date and Time

1. Update Date and Time by clicking on the time on the upper right-hand corner then click "Time & Date settings..."



2. If the server is connected to the Internet, leave Set the Time to "Automatically from the Internet" and update the Location to the correct Time Zone. Enter the nearest major city to select the correct Time Zone. (e.g., New York for EST, Chicago for CST, Denver for MST, and Los Angeles for PST)



STEP 3: Configure Network



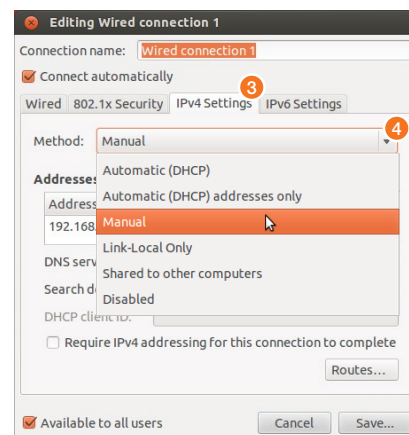
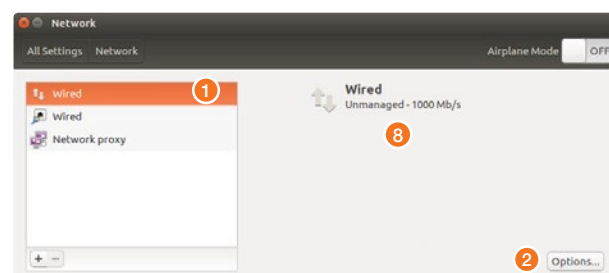
Double-click the Network icon on the Desktop

NOTE The Blackjack BOLT's network settings are set to DHCP as default.

1. Select 'Wired' that has arrows pointing up and down from the list (If neither of the "wired" are showing arrows up and downs, then make sure the network cable is connected to the PoE switch on the camera network)
2. Click 'Options' at the bottom of the window.
3. Click on the 'IPv4 Settings' tab.
4. From the drop-down menu, select connection type as Manual (static).
5. Click 'Add' next to Addresses.
6. Enter IP Address, Netmask, and Gateway according to network requirements. It must be the same IP subnet as the cameras and must not be the same subnet as the local network. Contact your network administrator for more information.

NOTE If you are not sure what information to enter, contact your Network Administrator or Internet Service Provider for the information.

7. Click 'Save' to save the settings.
8. In the Network Settings main page, make sure the Wired Status is marked as "Connected".



9. Select another Wired and repeat 2 to 5.
10. Enter IP address, Netmask, Gateway and DNS Servers according to the network requirements. If you are not sure of what to enter, please consult with IT administrator or ISP. Incorrect information entered may disrupt the whole network.
11. Click Save.
12. Connect a network cable from B13 Ethernet port to the switch connecting to the local network.
13. Verify the network is Connected.



NOTE If you are not connecting to the Blackjack[®] from within the same network, you may be required to perform port forwarding on your router to access the server. Contact your Network Administrator or Installer for additional information.

STEP 4: Logging to Server using DW Spectrum[®] Client

NOTE If you have not already configured the IP cameras, please follow the camera's QSG and configure the cameras first.



1. Launch the DW Spectrum client by, double click the DW Spectrum icon on the Desktop.
2. Enter the Host address, username and password and click OK.

The DW Spectrum client will automatically have the local server's IP address (127.0.0.1) and default login name populated. By default, the server's credentials are:

Host : 127.0.0.1
Login : admin
Password : admin



After logging in, all supported cameras on the network will automatically populate within 5 minutes in the client's Display Tree if you already have setup the cameras.

If there are cameras not displayed on the Tree, follow the Manually Adding Cameras on page 7.