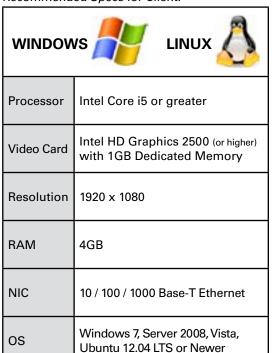


CLIENT REQUIREMENTS

* Monitor, keyboard and mouse must be purchased separately

Recommended Specs for Client:



Network Requirements:

IEEE 802.3ab 1000BASE-T **Gigabit Ethernet**

from within the same network, you may be required to perform port forwarding on your router to access the server. Contact vour Network Administrator or Installer for additional information

Mobile Access:					
Web	Internet Explorer, Firefox, Opera, Chrome				
Apps	Android OS, iOS Smart Phones and Tablets				

F1 HDD LED F2 Power Button / Power LED

- F3 5.25" Bay
- F4 USB 2.0 Port
- F5 Microphone
- F6 Headphone
- F7 USB 2.0 Port
- **B1** AC Power Socket
- **B2** Kensington Lock
- B3 DVI-I Port (for Analog Monitor) **B4** DVI-D Port (for Digital Monitor)
- **B5** USB 3.0 Ports
- **B6** Microphone Jack
- B7 Line-Out Jack
- B8 Line-In Jack
- B9 WAN & USB 2.0 Ports
- **B10** Clear CMOS Button B11 USB 2.0 Ports
- B12 LAN (Second Card)



SPECIFICATION

Max. Number of Cameras Supported (Recording)	Up to 64
Recording Performance	360Mbps*
Network	Gigabit(2x)
Video Compression	H. 264
Megapixel Recording	Up to 20 Megapixel
Multi-Camera Monitor	Up to 128 Channels
Advanced Motion Detection	Yes
Video Port	DVI-I / DVI-D
Local View	Yes
Storage Capacity	9TB(3x3TB HDD)
Hard Drive Interface	3.5″ SATA, SSDx3
USB Ports	8xUSB 2.0
Warranty	5 years limited
Dimension	12.8"(L)×8.5"(W)×7.5"(H)

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B		Ø
Blackpack	8) 8) 82	
	•	
F4 F5 F6 F7		3 B4 B5 B6
		USER : admin PW : admin

Windows 7

[3]

B11 B10 B9 B8 B12

information

package:

- client.
- components to install. installation.

The three components of the DW Spectrum software are: 1. Digital Watchdog DW Spectrum Client (For viewing video recorded elsewhere)

2. Digital Watchdog Media Sever (For recording local video using the PC)

[4]

[2]

* Cameras and servers in the network must be completely isolated

* NOTE: if you are not connecting to the Blackjack

including: Meida Server Settings, Enterprise	seconde
Controller Settings, and About Software	Show Media Server Log
information.	Show Enterprise Controller Log
d. Show Media Server Log-The system will	Quit
open the Media Server's log report in a web	
browser page.	
a Show Enterprise Controller Log The system	#

e. Show Enterprise Controller Log-The system will open the Enterprise Controller's log report in a web browser page.

b. Start/ Stop Enterprise Controller- Manually

c. Settings- Open Server settings page,

f. Quit- Exit the Tray Tool options.

Tray Tool.

the Media Server.

restart the Enterprise Controller

3. If 'settings' were selected, you can change the Media Server's EC connection, change the master admin username and passowrd, and change the server's ports as necessary. Please consult your network administrator before changing any of the Blackjack Cube's settings.

browser page.

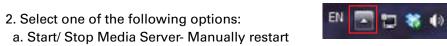
If you have the Media Server and / or Enterprise Controller installed on your Windows station, you can control the server's connection to the Enterprise Controller, view server logs and start and stop the server from the DW Spectrum

BLACKJACK CUBE

TRAY TOOL

The Tray Tool is located at the bottom right-hand corner of the Cube's Desktop. To access it:

1. Press the arrrow at the bottom right-hand corner of the desktop and click on the DW Spectrum icon.



Stop Media Server (started) Stop Enterprise Controller (started) Settings Show Media Server Log

Call and services

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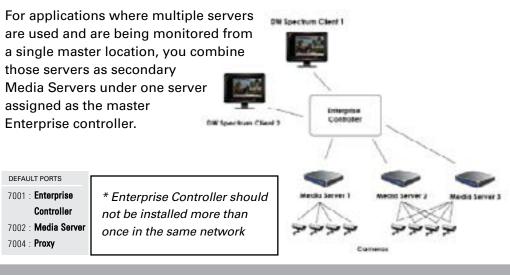
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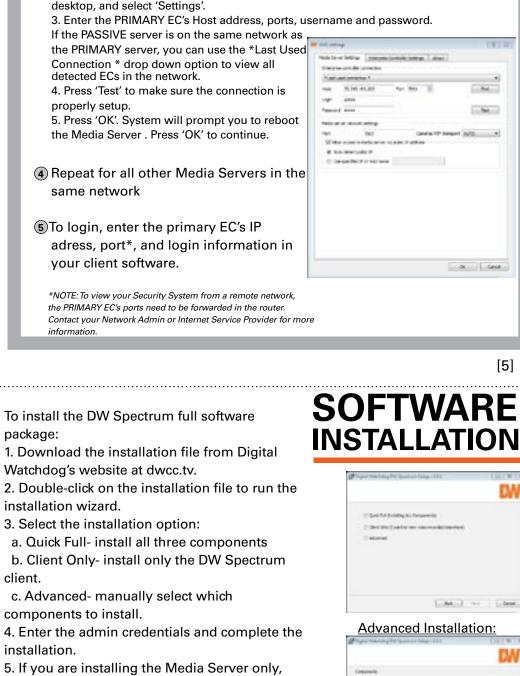
Multi-Site VMS - Combining Servers Into 1 Enterprise Contoller

Select Your PRIMARY Enterprise Controller

(2) Find the IP and Port information

3 Attach the Media Servers to the Enterprise Controller:

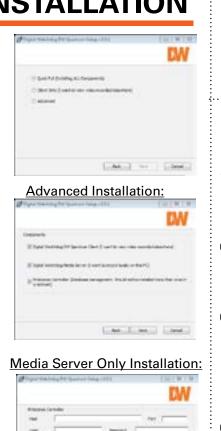
- 1. Go to the PASSIVE Media Server (server you want to assign to the PRIMARY EC). 2. Right-click on the DW Spectrum tool bar at the bottom right-hand corner of the desktop, and select 'Settings'



enter the PRIMARY EC's IP Address, Port, and login information to attach the new Media Server to that Enterprise Controller.

3. Enterprise Controller (For managing database)

* Enterprise Controller should not be installed more than once in the same network



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	London London London

The client will auto-detect all Enterprise Controllers in the network Otherwise, input IP address into the 'Host' box

Use the following default ID & password USER : admin

PW : admin

After logging, all supported cameras on the network will automatically populate through the auto-discovery feature

Select 'Auto Login' to log to the server automatically every time the client software is launched.

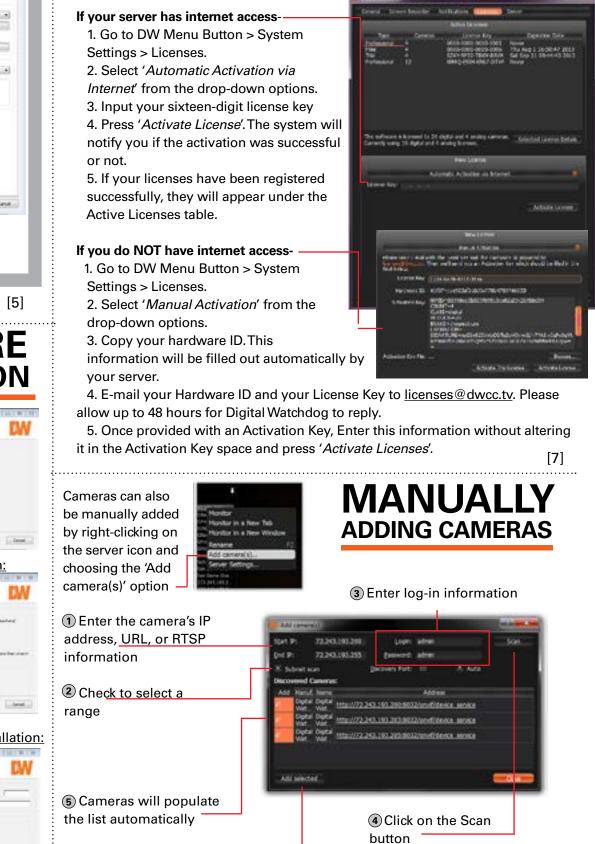






The Blackjack Servers come equipped with complimentary four (4) recording licenses

In addition, any licenses purchased with the hardware will be found at the bottom of the Cube's hardware, as a sixteen- digit code that needs to be activated.



6 Click to add all

selected cameras



clicking & dragging to * Gray - Motion Mask apply sensitivity settings

Areas marked gray will not capture motion

[10]

[12]



Calendar Search

is enabled by clicking on the on the bottom-right corner of the layout screen.

Select a desired date in Calendar. To select multiple dates , use CTRL Select a desired hour in the upper part Calendar.

In Janes Fills

On Hotel Lance 148

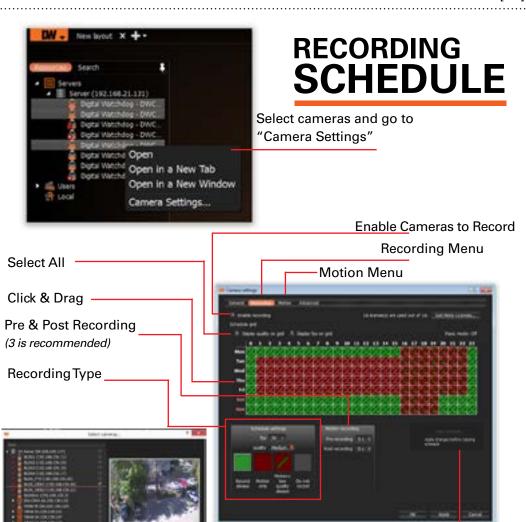
Alarm / Event Rules

allow you to setup unique rules and actions for events detected by the server such as motion detection, network loss, camera input trigger etc.

To configure Rules:

1. Select one of the existing rules or press the 'Add' button to create a new rule. 2. Modify the cameras or servers it applies to, and the action and target you want to take when the event occurs.

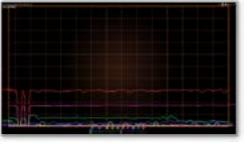
3. For advanced settings, press 'Advanced...' at the top right corner. This includes additional e-mail and sound settings as well as rule schedule setup. [13]



Copy Recording Settings to multiple cameras

an fan in de fan		USER ACCOUNTS					
Abaret.		ADMIN	CAMERA SETTINGS	PTZ CONTROLS	VIDEO ARCHIVES	EXPORT VIDEO	VIEW LIVE VIDEO
a with pa	Administrator	•	•	•	•	•	
eux ritimi	Advanced		•	•	•	•	•
	Viewer				•	•	•
OK Groat	Live Viewer						•
	•						[14]





Graphical HDD Health Monitoring can be performed by dragging the server icon (IIII) onto the layout view

	5. Try adding the camera manually.
	 6. Try rebooting the server after installation. Please allow up to 30 seconds for the server map your network and detect all supported devices.
Videos are slow	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	 Under camera settings, make sure the user name and password are correct.
disconnected	Under the camera settings, use the 'Ping' button to make sure the camera is connected to the network properly.
	If you can connect to the camera's web viewer, try rebooting the camera and/or restore it to factory default.
	 Make sure your camera is using the latest firmware available. (Connectivity & compatibility issues can be resolved in new camera firmware)
	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.
l can't get	1. Do you have network connection between client and server (in case

website for full list of supported cameras)

OnVIF enabled on your camera.

3. Is the camera updated to its latest firmware?

1. Is the camera in the same LAN network as the Media Server?

2. Is your camera fully compatible with DW Spectrum (refer to our

4. If your camera is integrated with DW Spectrum via OnVIF, make sure

Possible Solutions

Problem

camera

My camera does

not auto-discover

 b) 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. 		
 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.		
 Make sure the camera's user name and password are properly entered in the camera's general information under the camera settings menu. If necessary, try rebooting the camera to apply the camera's user 		

name and password

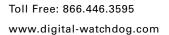
Name	Hot keys	Description
New Layout	CTRL + t	Creates a new layout
Save Layout	CRTL + s	Saves the current layout
Close Layout	CRTL + w	Closes the current layout
Save Layout As	CTRL + ALT + s	Saves the current layout as a different name
Toggle Side Panel	F11	Shows / hides the side panel
Zoom In / Out	+ or -	Zooms in / out of the screen
Cell Spacing	CTRL + Wheel	Increases / decreases the cell spacing
Duplicate Item	CTRL + Drag	Duplicates any selected windows
Rotation	ALT + Drag	Rotates the target window
Coarse Rotation	CTRL + Rotate	Rotates the target window at 15° intervals
Panic Recording	CTRL + p	Starts / stops the panic record function
Screen Recording	ALT + r	Starts / stops the screen record function
Timeline Selection	[or]	Defines the start / end point of timeline selection
Toggle Recording Info	ALT + i	Shows / hides the recording information
Navigate Recording	z or x	Moves forward / backward between recorded chunks

Accessing DW Spectrum Log Files

From the DW Specturm Client Software:

Right-click on the Server's name

Choose Server Logs. The Media Server's Log will open in a web browser page. -You can adjust the number of entries in the log by modifying the URL. To do so, change the value at the end of the URL stating 'lines=1000'. For exmample, 'lines=1' will reduce the log reoprt to a single line of data. 'lines=400' will display 400 lines of data.



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