Quick Start Guide

DW metapix
ADVANCED SOLUTIONS

DW-BJMAiJ08T-LX	**DW-BJMAiJ12T-LX**	**DW-BJMAiJ16T-LX**
DW-BJMAiJ20T-LX	**DW-BJMAiJ24T-LX**	**DW-BJMAiJ32T-LX**
	DW-BJMAiJ40T-LX	



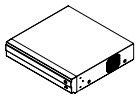
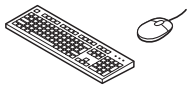
Default Login Information for DW Spectrum

Username: **admin**	Password: **admin12345**

Default login information for the server's OS

Username: **dwuser**	Password: **Dw5pectrum**

WHAT'S IN THE BOX

Metapix AI Server		1	Keyboard and mouse		1 set
Quick start guide		1	Power cable		1 set

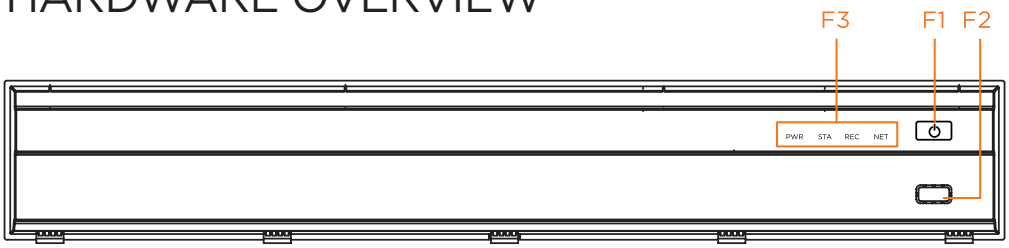
NOTE: Download all your support materials and tools in one place.

1. Go to: **http://www.digital-watchdog.com/support-download/.**
2. Search your product by entering the part number in the '**Search by Product**' search bar. Results for applicable part numbers will populate automatically based on the part number you enter.
3. Click '**Search**'. All supported materials, including manuals, Quick Start Guides (QSG), software and firmware will appear in the results.

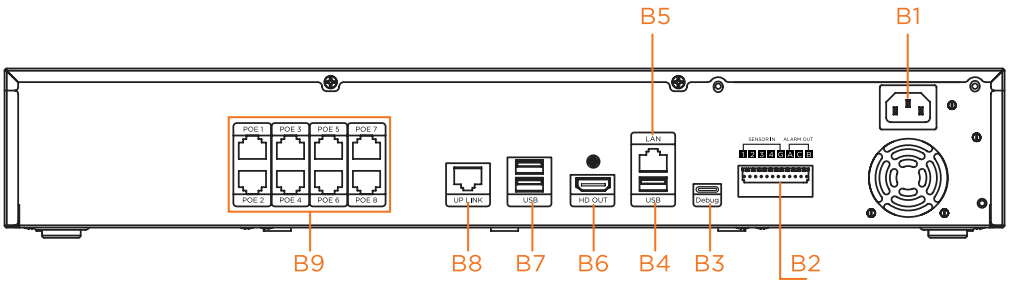
Attention: This document is intended to serve as a quick reference for initial setup. See the DW Spectrum® IPVMS full manual for more information on features and functionality.

Tel: +1 (866) 446-3595 / (813) 888-9555
Technical Support Hours: 9:00AM – 8:00PM EST, Monday through Friday
digital-watchdog.com

HARDWARE OVERVIEW



F1 Power button
F2 USB 2.0 port
F3 Status LEDs



B1 Power AC input
B2 GPIO ports (not used)
B3 Debug port (not used)
B4 USB 3.0 port
B5 1GB Ethernet port (local network)
B6 True HD port
B7 2x USB 2.0 ports
B8 1GB Ethernet port (PoE uplink)
B9 PoE ports (for local camera power)

Default login information for DW Spectrum

Username: **admin**	Password: **admin12345**

Default Login Information for the server's OS

Username: **dwuser**	Password: **Dw5pectrum**

SPECIFICATIONS

PART NUMBER		**DW-BJMAiJxxT-LX**
Included DW Spectrum IP licenses		4 (1x DW-SPECTRUMLSC004)
Form factor		1.5U Desktop
Operating system		Ubuntu 20.04 (NVIDIA Jetson Proprietary)
OS on SSD		eMMC + SSD
CPU		NVIDIA Jetson Xavier
Memory		8GB
Ethernet port		2 x 1Gb Ethernet
Max video storage rate (Mbps)		40 Mbps
Maximum HDD		2 x SATA HDD
Storage Options		8TB, 12TB, 16TB, 20TB, 24TB, 32TB, 40TB
Number of PoE		8
Max # of analytic streams		4
Video-out	Outputs	1x True HD
	Graphics Card	---
Ai Processor		NVIDIA Jetson
Pre-loaded VMS software		DW Spectrum®
DW Spectrum Client supported OS		Cross-platform - Windows®, Linux Ubuntu® and Mac®
Pre-loaded Analytic software		DW Metapix Gateway
DW Spectrum Mobile apps		iOS® and Android®
Keyboard and mouse		Included
Power Supply		300W**
PoE	Max power per port	30W per port
	Total PoE power budget	Total 70W power budget
Operating temperature (room)		41°F-104°F (5°C-40°C)
Operating humidity		20-90% RH
Dimension (WxDxH)		17.3" x 15.7" x 2.79" (439.3 x 397.8 x 71mm)
Other certification		CE, FCC, NDAA, TAA
Warranty		5 year limited

IMPORTANT: The DW Spectrum Client cannot be installed on the DW-BJMAiJ. All configuration of the DW Spectrum VMS must be done from a separate computer on the local network running the DW Spectrum Client. Download the client from https://dwspectrum.digital-watchdog.com/download

** UPS recommended

Specifications and components mentioned are subject to change without notice.

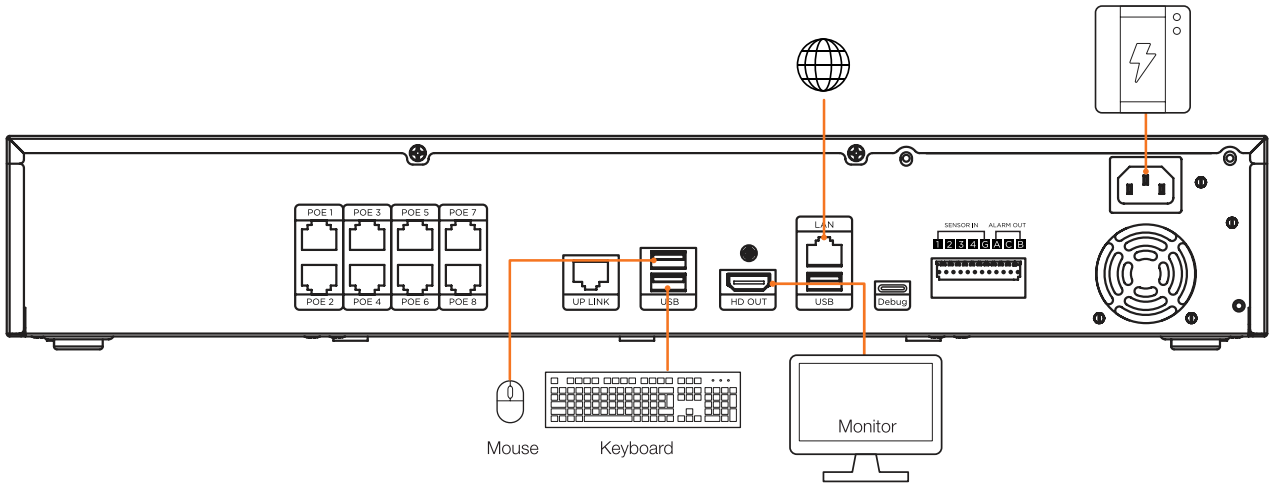
SETTING UP THE SERVER

STEP 1: Connect external devices, power and network.

1. Connect a monitor, USB keyboard, USB mouse, and the LAN side of the network cable to the Ethernet port marked **LAN** (B5 on the diagram). Connect the cameras to the PoE ports (B9).

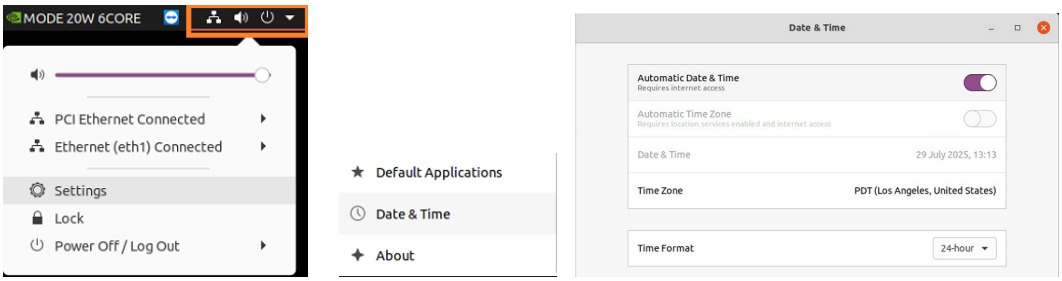
NOTE A monitor, keyboard, and mouse are required only for initial server configuration and can be disconnected afterward.

2. Connect the server to an appropriate power source. A UPS system rated at 600 VA or higher per PSU is recommended.
3. Power up the server if the server does not turn on automatically by pressing the power button (F1 on the diagram).

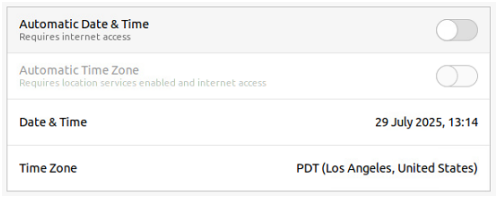


STEP 2: Configure date and time

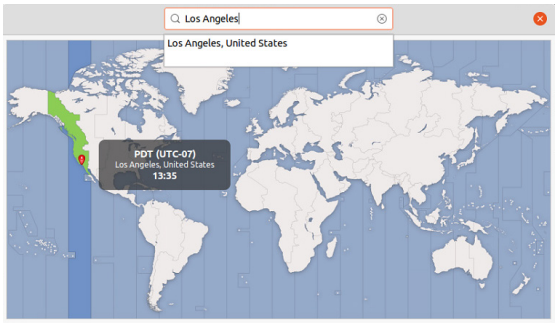
1. Open **Settings**. Scroll to the bottom of the list on the left and click **Date & Time.**



2. Turn OFF **Automatic Date & Time** and **Automatic Time Zone.**



3. Click **Date & Time** and set correct date and time.
4. Click **Time Zone** and set to correct time zone (type one of the largest cities in the time zone).



STEP 3: Configure network

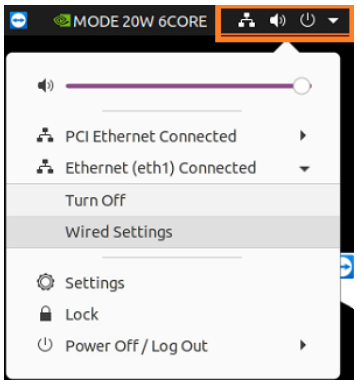
Please have the following information ready before starting the network configuration.

	Camera network	Local network (LAN)
IP address	Auto assign from DHCP range 10.110.210.101 to 10.110.210.150	
Subnet mask / Netmask	255.255.255.0	
Default gateway / Gateway	Not applicable	
DNS servers	Not applicable	

* Camera network and local network cannot be on the same network.

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

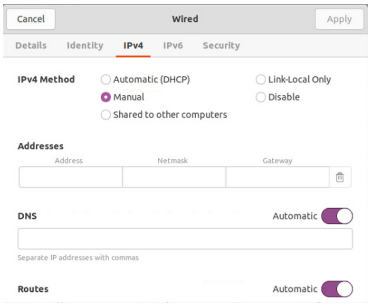
1. Open **Wired Settings** under **Ethernet (eth1) Connected**.



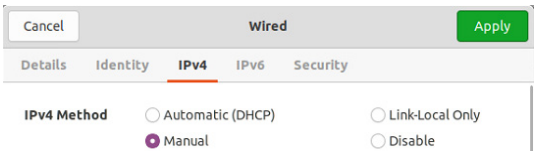
2. Click  under the **Ethernet**.



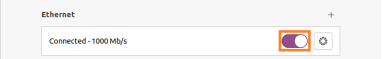
3. Change to **Manual**, then enter **Address, Netmask,** and **Gateway**.



4. Click **Apply** to save.



5. Restart the connection by switching it off, then turn it on.



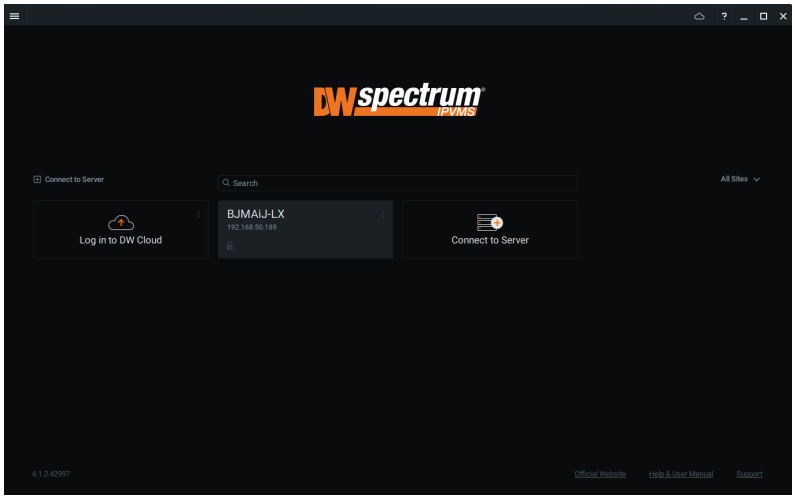
SETTING UP THE DW SPECTRUM MEDIA SERVER

Login: **admin**
Password: **admin12345**

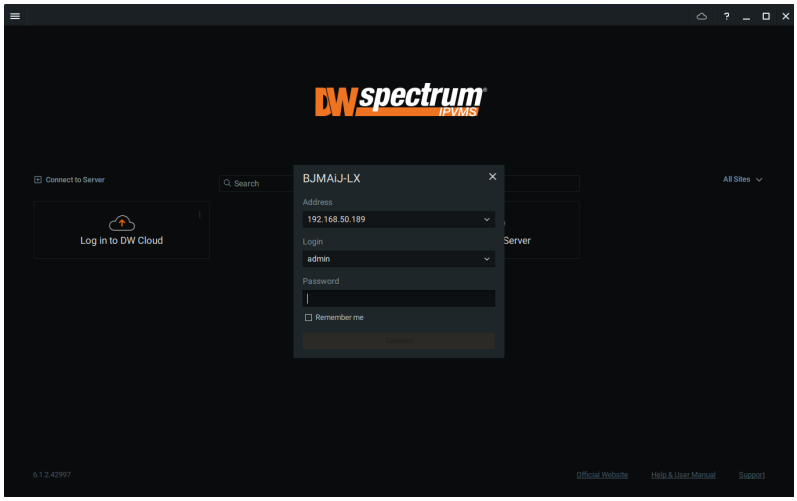
IMPORTANT: The DW Spectrum Client cannot be installed on the DW-BJMAiJ. All configuration of the DW Spectrum VMS must be done from a separate computer on the local network running the DW Spectrum Client. Download the client from https://dwspectrum.digital-watchdog.com/download

STEP 1: Initial run

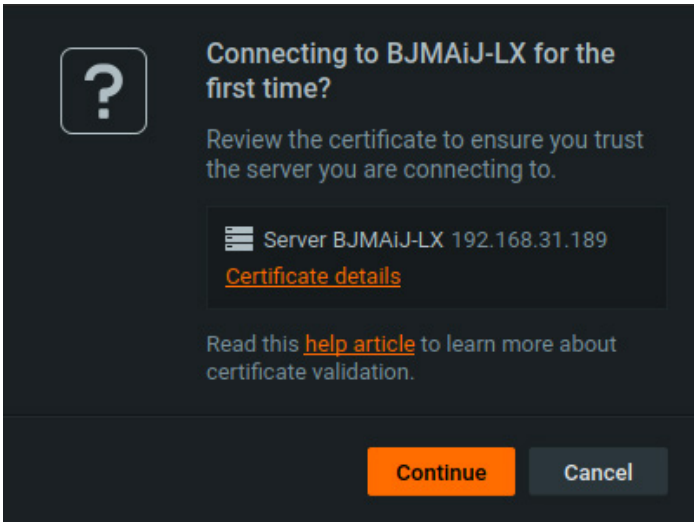
1. Click on the pre-configured server.



2. Enter the login and password above and click **Connect**.

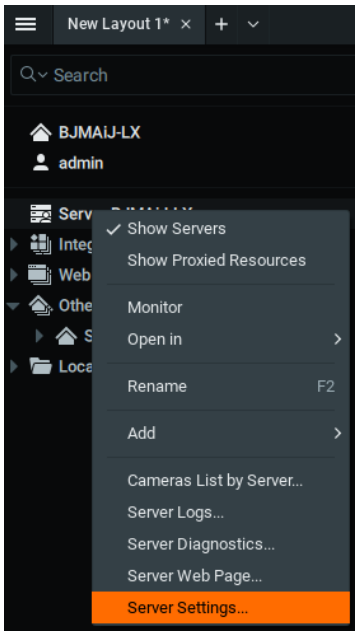


3. Click the **I trust this server** checkbox and click **Continue**.

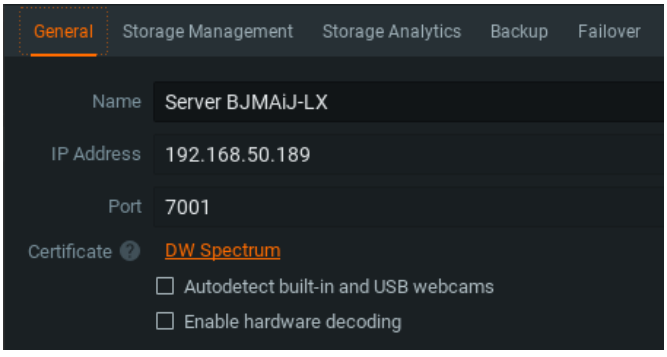


STEP 2: Rename the server

1. Right-click on the server name in the resource panel, then click **Server Settings.**

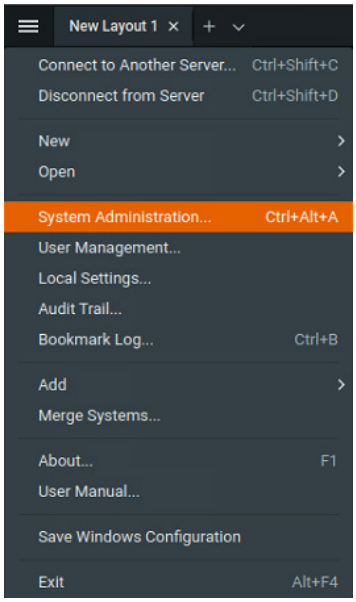


2. Go to the **General** tab and enter the new server name in the name field. Click **OK**.

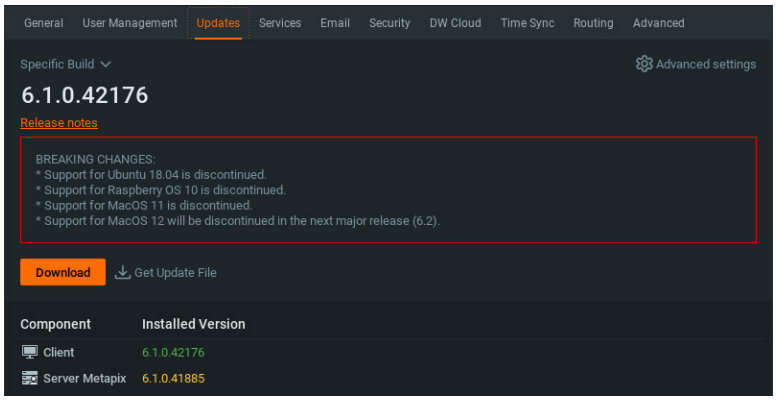


STEP 3: Check for updates

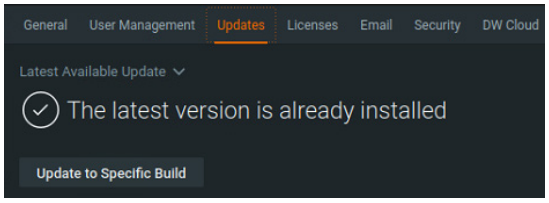
1. Click on the menu , then click **System Administration.**



2. Go to the **Updates** tab. If the system requires an update, click the **Download** button.



If you are on the latest version, it will say "The latest version is already installed."

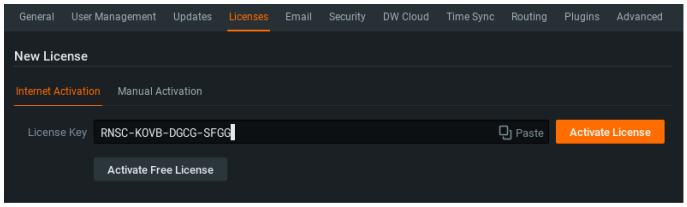


3. Click **OK** when the update is complete.

STEP 4: Activate licenses

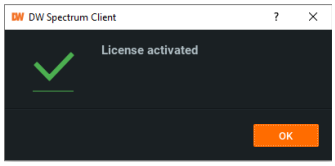
NOTE: An active Internet connection is required.

1. Click on the menu , then click **System Administration.**
2. Go to the **Licenses** tab. Enter the license key and click **Activate License.**



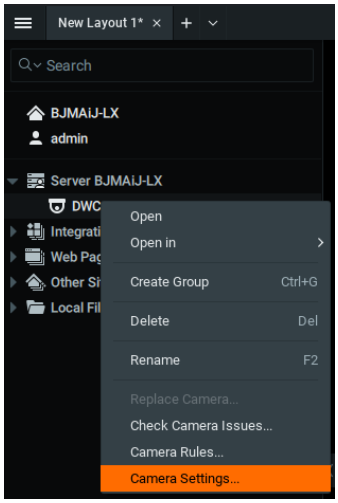
* Click **Activate Free License** to use a free, four-channel license for 30 days.

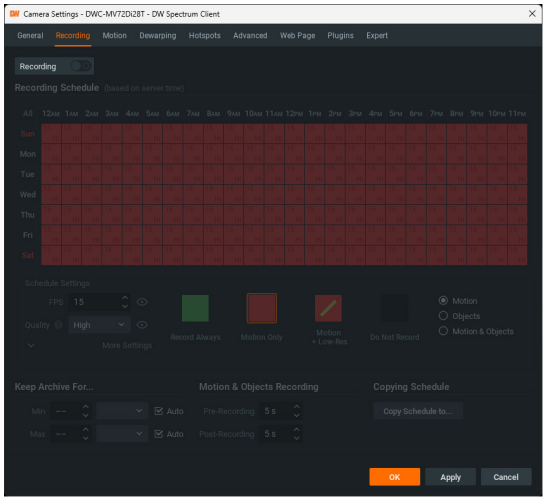
Click **OK** when all necessary license keys are activated.



STEP 5: Configure recording

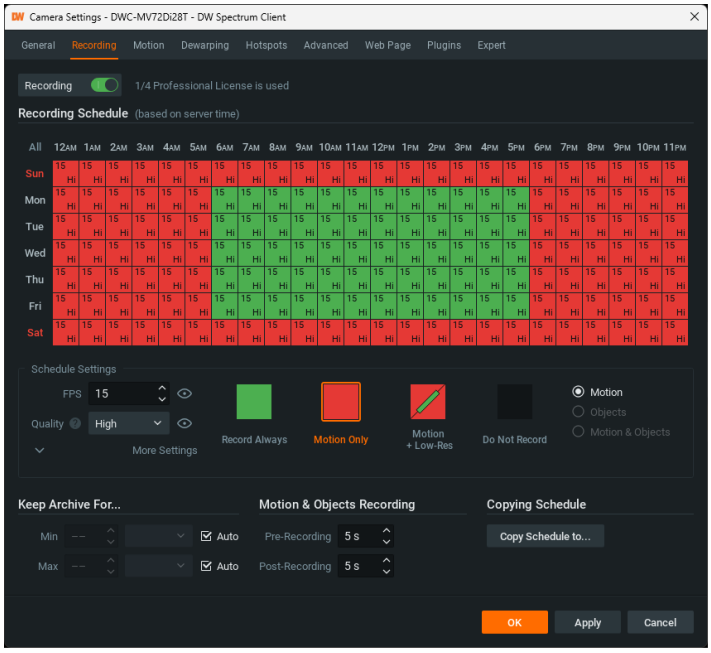
1. Right-click a camera in the resource list on the left side and click **Camera Settings.**
2. Click the **Recording** tab.

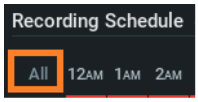




3. Click the **Recording** toggle to activate recording for that camera.

4. Set quality, FPS, and recording type.
5. Click and drag over the recording schedule to apply the settings to any number of days and times.





* Click **All** to apply the recording settings to the entire schedule.

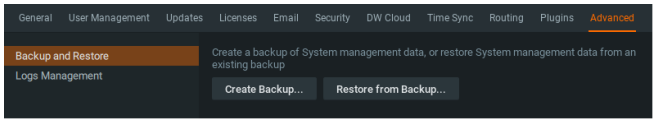
6. Click **OK** when the necessary recording schedule is set. A red circle will appear next to the camera in the resource list.

NOTE: A Recording License is required to allow a camera to record to the archive.

STEP 6: Backup database

1. Go to the **System Administration** window and click on the **General** tab.
2. Click **Create Backup.**
3. Navigate to the folder to which you want to save the database and enter a name for the backup file. Click **Save**.

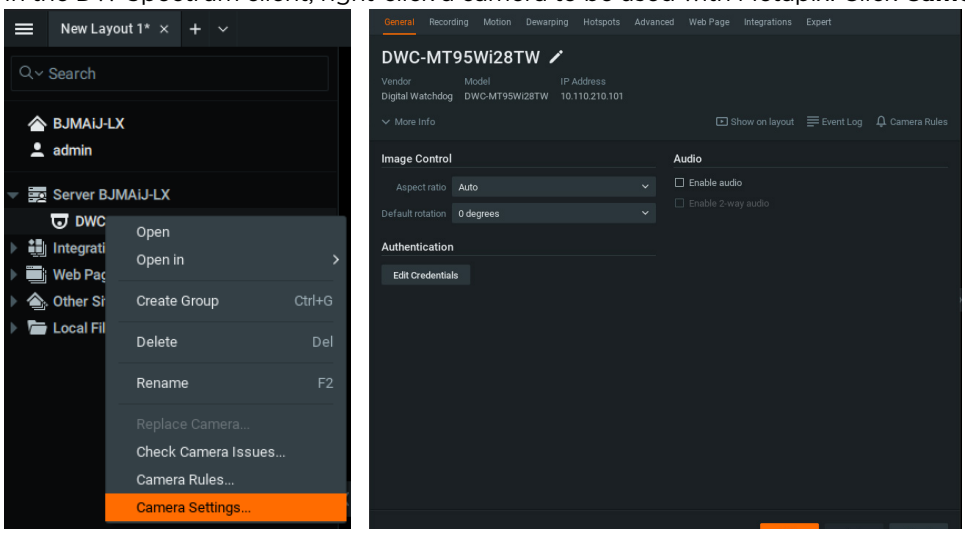
   It is strongly recommended to create a database backup to external storage media before and after each update, in case a system restore point is needed.



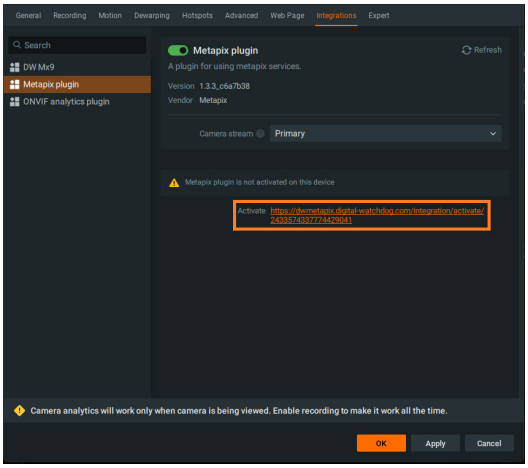
NOTE: More information and instructions are available in the DW Spectrum user manual.

ACTIVATE THE METAPIX PLUGIN

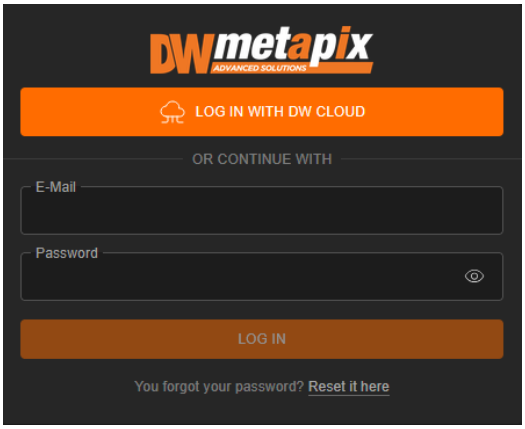
1. In the DW Spectrum client, right-click a camera to be used with Metapix. Click **Camera Settings...**

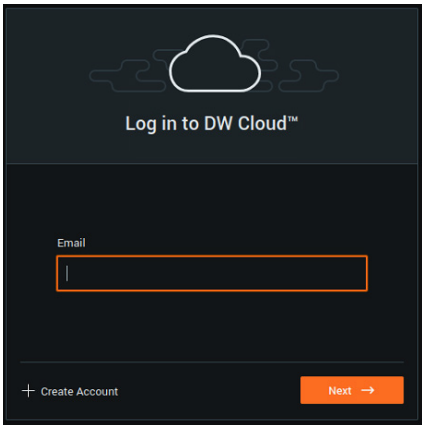


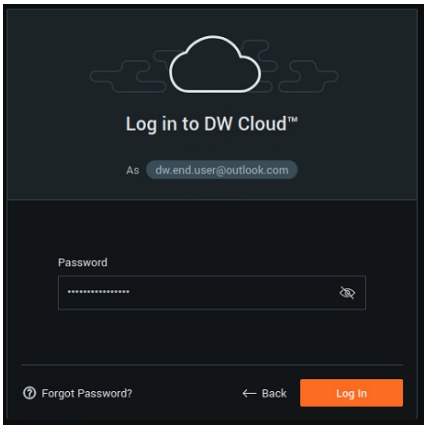
2. Click the **Integrations** tab. Select the **Metapix plugin**. Enable the plugin by clicking the  and click **Apply**. Click the orange https://dwmetapix.digital-watchdog.com/ link.



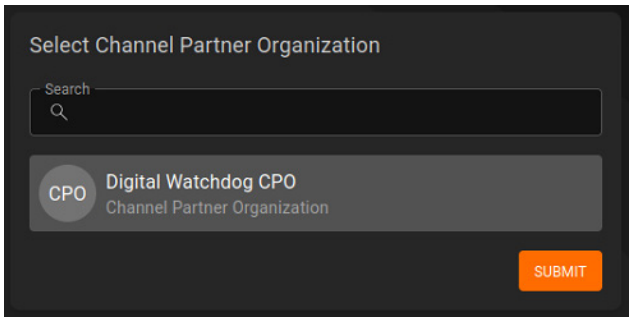
3. A new browser window will open. Click the **With DW Cloud** button, and log in using your DW Cloud account.



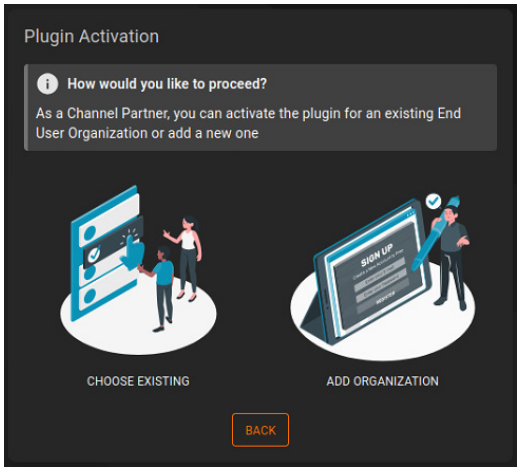




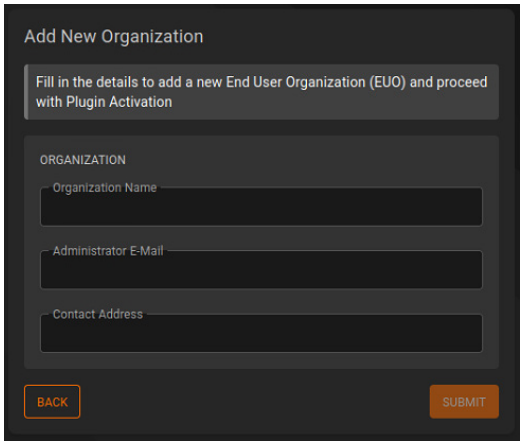
4. Select your **Channel Partner Organization**. Click **Submit**.



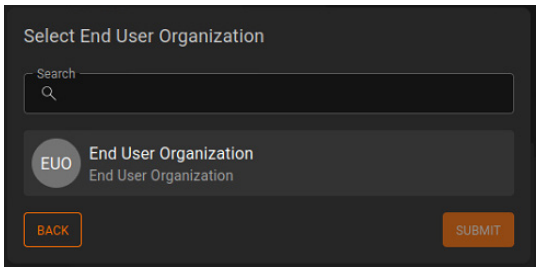
5. If the server belongs to a new end user organization, click **Add Organization**. To add the server to an existing end-user organization, click **Choose Existing.**



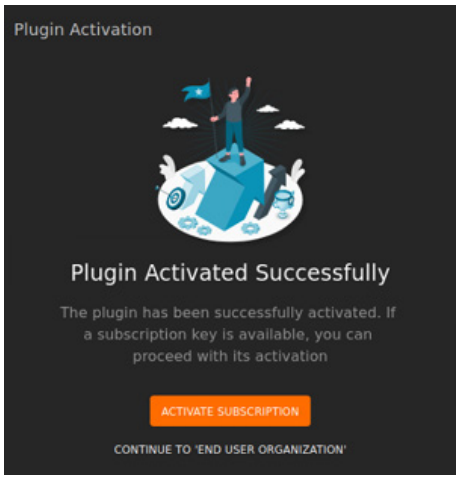
Add Organization: Enter the organization's name, administrator's email, and address.

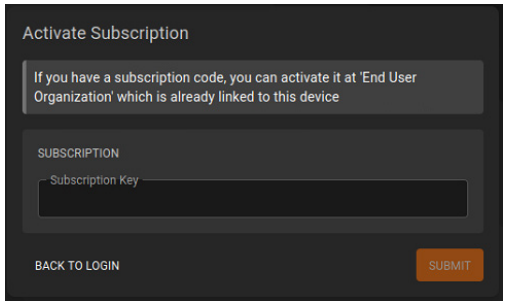


Choose Existing: Select the end-user organization.



6. Click **Submit**.
7. The Metapix plugin is now activated for the server. Click the **Activate Subscription** button.





8. Copy and paste a subscription key and click **Submit**.

NOTE: This products is covered by one or more claims of the HEVC Patents listed at patentlist.accessadvance.com.

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