



DW Cumulus is Digital Watchdog's cloud-based storage service for backup storage of events and object analytics in DW Spectrum Professional.

DW Cumulus MEGApix Ai CloudCam Installation Quick Start Guide

Read Before Continuing

An onsite Internet connection must be available and support the total active camera bitrate. This statistic can be found in the *Storage Analytics* tab in the DW Spectrum Site's *Server Settings* menu.



This document is intended to serve as a quick reference for the initial installation of a DW Cumulus for DW Spectrum Professional. For DW Spectrum features and functionality, refer to the full User Guide.

Installing DW Cumulus

Cumulus is Digital Watchdog's cloud-based storage service for backup storage of events and objects in DW Spectrum.

The on-site internet connection must be available and support **three times** the **total active camera bitrate**. This statistic can be found in the **Storage Analytics** tab in the DW Spectrum site's **Server Settings** menu.

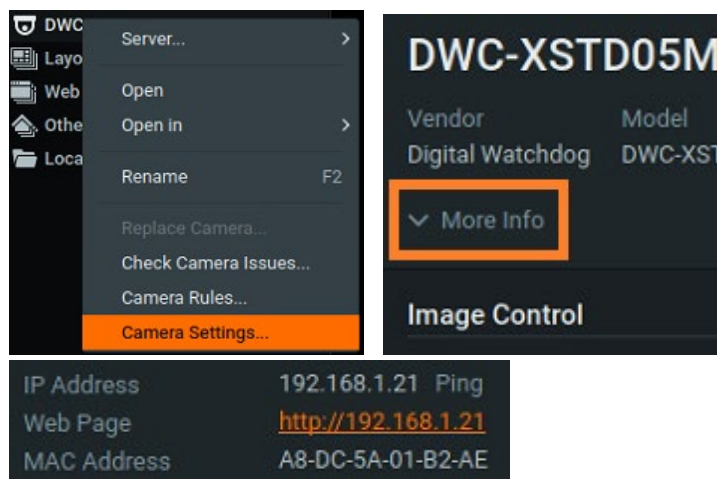
For example, a 2 megapixel camera recording at 30 frames per second at high quality produces a bitrate of about 5 megabits per second (Mbps). For optimal performance, the upload speed of the internet connection to upload data from this camera must be 15 Mbps or more.

Installation Instructions

Part 1: Install the DW Cumulus Plugin

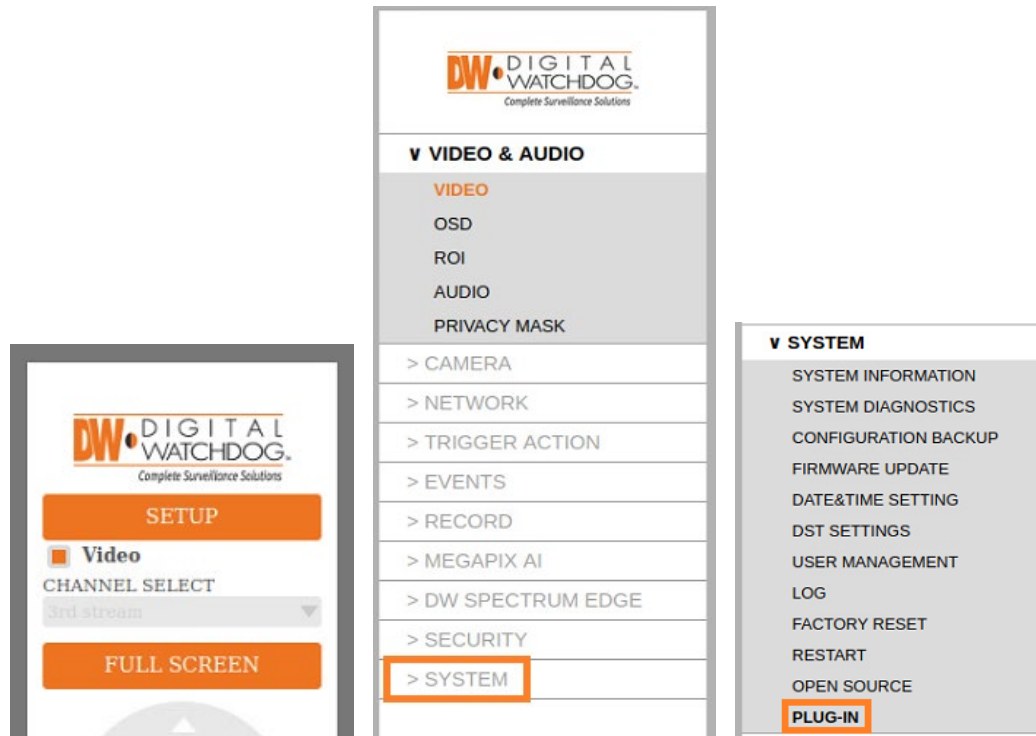
The following instructions will guide the reader through installing DW Cumulus for a DW Spectrum server running on an X-class camera.

1. Launch the DW Spectrum client and open **Camera Settings** for the camera. Click the **More Info** drop-down and open the camera's web page in a browser window by clicking the orange link.

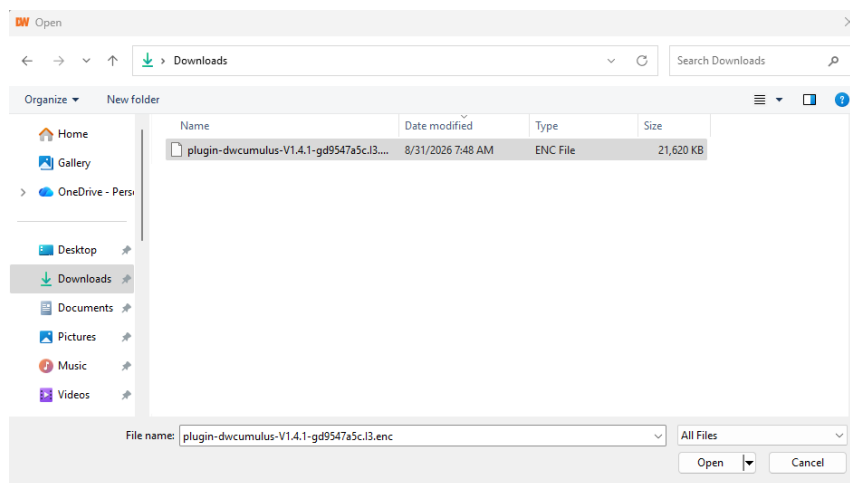
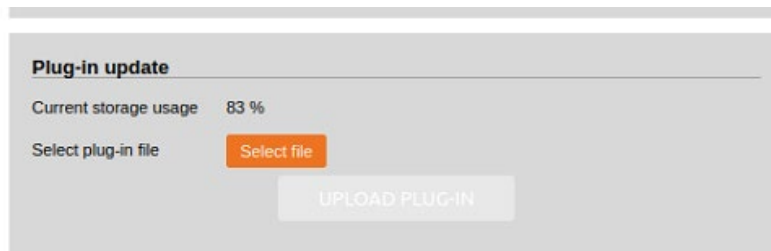


2. Click the **Setup** button. A new window will open. Open the **System** drop-down menu and select **Plugin**

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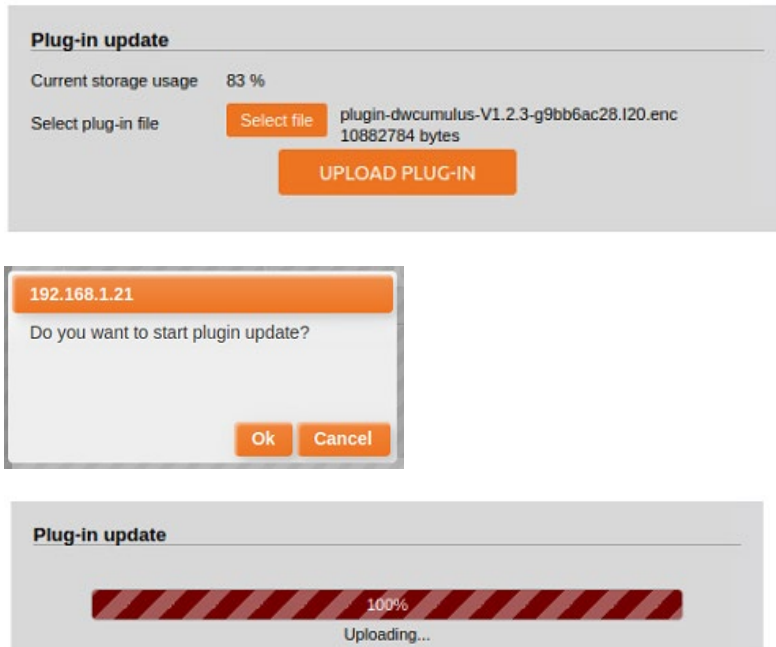


3. Click the **Select file** button and select the DW Cumulus plugin **.ENC** file. Example: **plugin-dwcumulus-V1.4.1-gd9547a5c.l3.enc**



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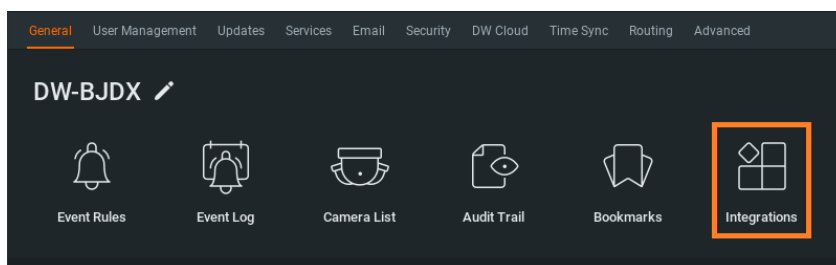
4. Click the **Upload Plugin** button, followed by **OK**. The process will take a couple of minutes. The server in the camera will go down, so the connection in DW Spectrum will seem to go down as well. This is normal.



Part 2: Integrate the DW Spectrum Site

The following instructions will guide the reader through integrating DW Cumulus with DW Spectrum:

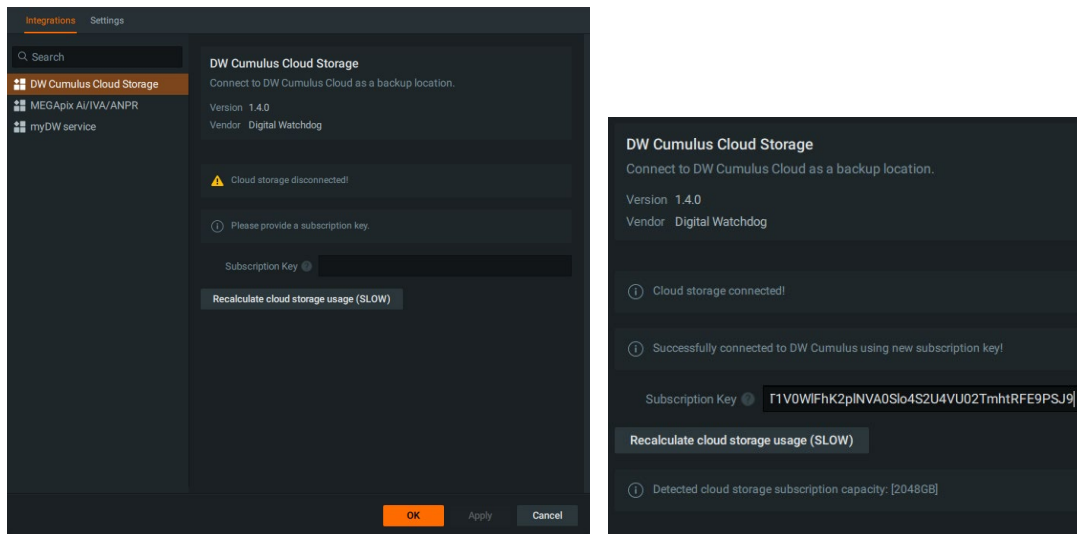
1. Open the **Site Administration** menu. In the *General* tab, select the **Integrations** tile.



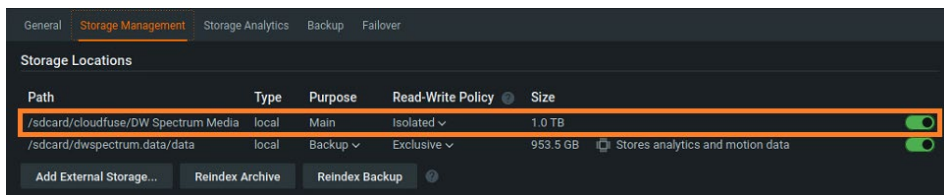
3. Select **DW Cumulus Cloud Storage** from the plugins panel, then enter the **Subscription Key** for the DW Cumulus subscription.

4. Click the **Apply** button to save the settings. Verify that the Cloud Storage information is connected and the storage capacity is correct before closing the window.

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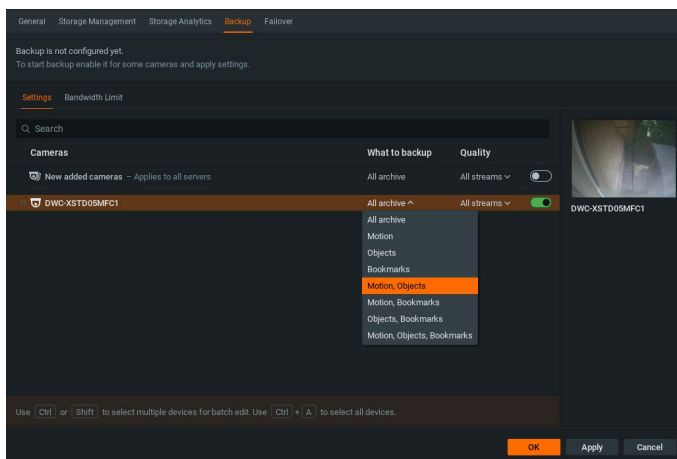


5. Open the **Server Settings** menu and select the **Storage Management** tab. The Cumulus cloud storage will appear as **/sdcard/cloudfuse/DW Spectrum Media** as a "local" type storage. Click the slider  to enable Cumulus Cloud Storage.



NOTE: To record to the Cumulus cloud storage directly, leave its **Purpose** set to **Main**. The on-board storage (**/sdcard/dwspectrum.data/data**) can be set to **Backup**.

6. Open the **Backup** tab. Select **what to back up** and click **Apply**.



7. Backup will begin automatically.

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