



uni**view**

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NETWORKING TUTORIALS



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EZCLOUD

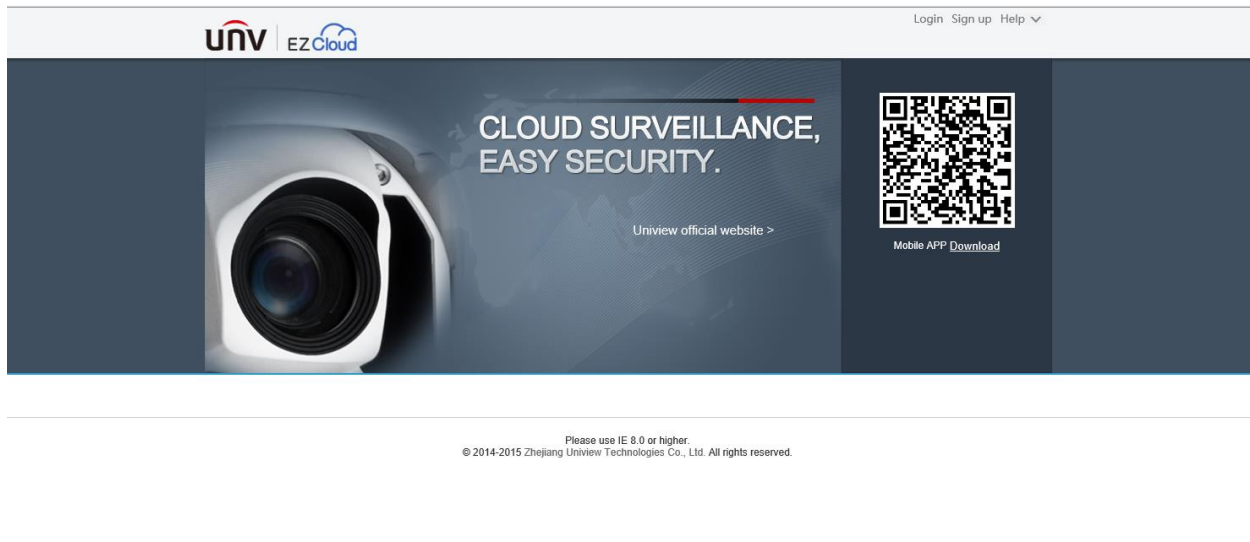
INTRODUCTION

EZCloud is Uniview's remote connection backend that allows for P2P device management. EZCloud provides the user with an abundance of features that make sharing device access easier and more secure. The integrator and installer can use EZCloud to connect to customer devices and troubleshoot.

EZCLOUD REGISTRATION

Uniview provides a web portal to sign up and register an account with EZCloud.

<http://en.ezcloud.uniview.com> It is recommended that Internet Explorer 8 or higher be used to view the web portal.



There are a few aspects to note about the web portal:

- A QR Code is displayed on the right side of the page. Scanning this code will download the EZView phone application onto the smart phone for use.
- On the upper right, there are Login and Sign up links for setting up and managing EZCloud accounts. The Help link provides a Quick Guide developed by Uniview for a more in-depth review of how P2P functions

An account can also be registered through the EZView smart phone application.

See Adding A Device -> EZView

ACCOUNT SIGN UP

The image shows the "New User Sign Up" form on the Uniview EZCloud website. The form is titled "New User Sign Up" and contains the following fields and elements:

- *Username:
- *Password:
- *Confirm:
- *Email:
- *Verification Code:
- I agree [Service Agreement](#)
- I agree to receive service information
-

At the top of the form are the "unv" and "EZCloud" logos. At the top right are the links "Login Sign up Help" with a dropdown arrow. Below the form, there is a small line of text: "Please use IE 8.0 or higher. © 2014-2015 Zhejiang Uniview Technologies Co., Ltd. All rights reserved."

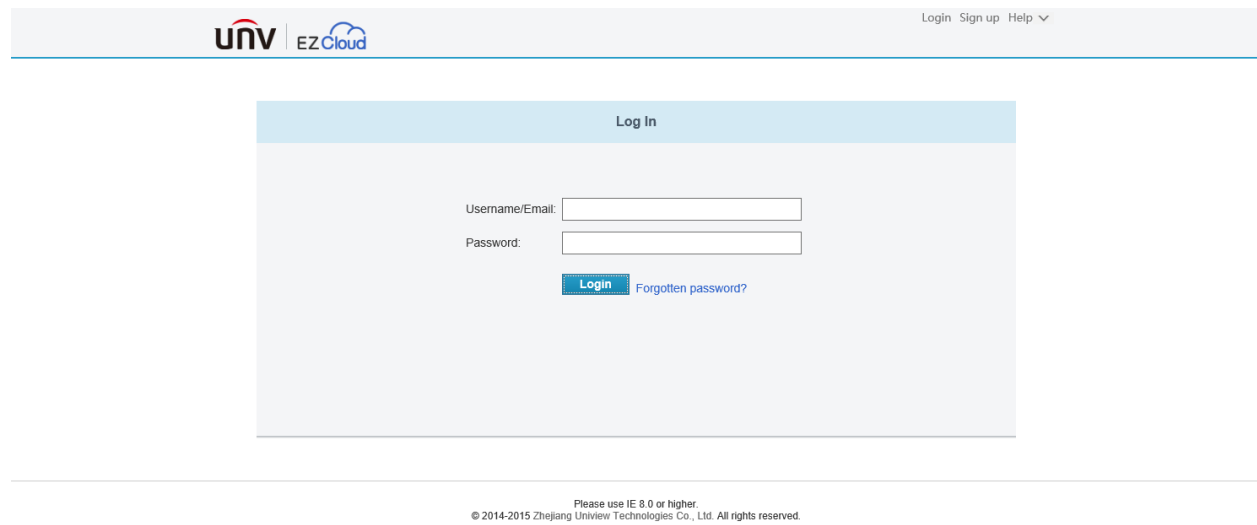
Signing up an account is very similar to most other online account registration as seen from the image above. Enter in the proper information requested such as the Username, Password and a valid Email

address. Click the Acquire button to receive a registration email which provides a Verification Code. Please note that the email may take several minutes to arrive.

Enter the Verification Code into the box provided and click the Sign-up button to register the new EZCloud account.

PRO TIP: Integrators and Installers can setup an account and then share device access to customer accounts for managing multiple devices and providing support later.

ACCOUNT LOGIN



Login either with the Username or registered Email address created previously for account management. If the password has been forgotten, there is a link provide for password retrieval.


EZCLOUD MANAGEMENT

Once the register code is located, there are three different ways to add and manage devices on an existing EZCloud account; through the EZCloud web portal, through the EZView smart phone application and through the EZStation CMS.

REGISTER CODE

The Register Code is a unique 26 digit & character string that is used to connect a device to the EZCloud service. This code also comes in a QR format for quick scanning. There are a few places you can find the Register Code:

- On a sticker found on the recorder itself. It is typically located on the top (black chassis) or the bottom (white chassis) of the recorder. See the image below for an example.



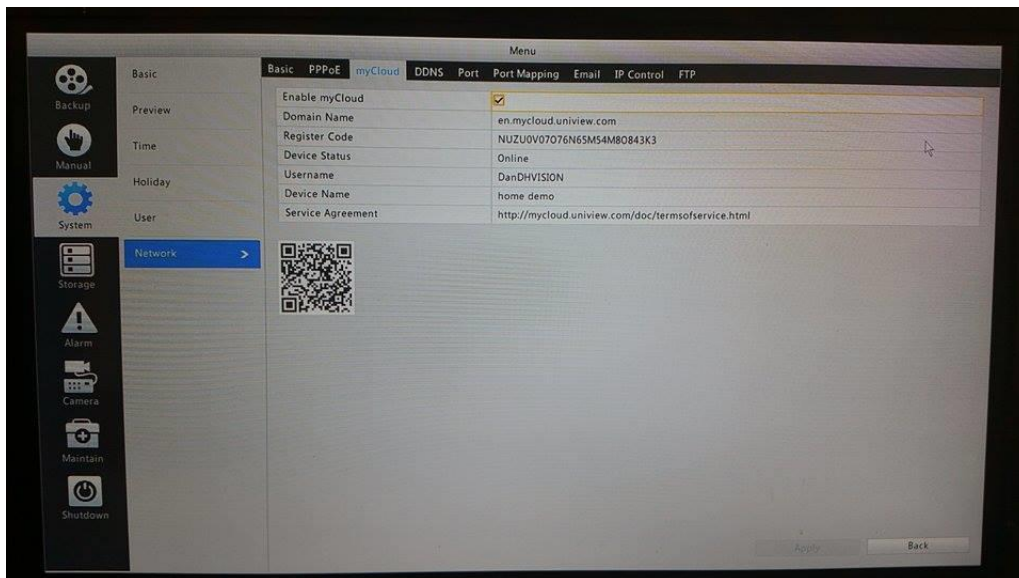
Follow these steps:

1. Scan the QR code to get the app on your phone.
2. Sign up and log in.
3. Scan the QR code again to add your device.

QRCode:
30FOIZ3AY7PK6
QPIZ3V49XRVM

Note the QR Code on the sticker for quick adding the device to an EZCloud account via the EZView smart phone application (more on the EZView app later in this guide).

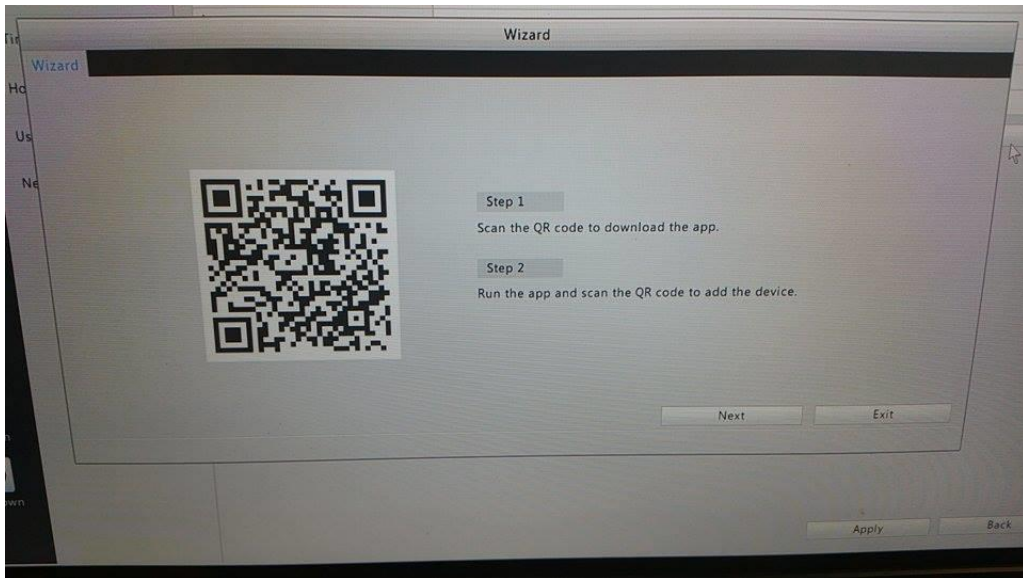
- Within the recorder interface – right click on the Live View screen and select Main Menu (login if needed). Navigate to System, Network and then the myCloud tab (as seen from the image below).



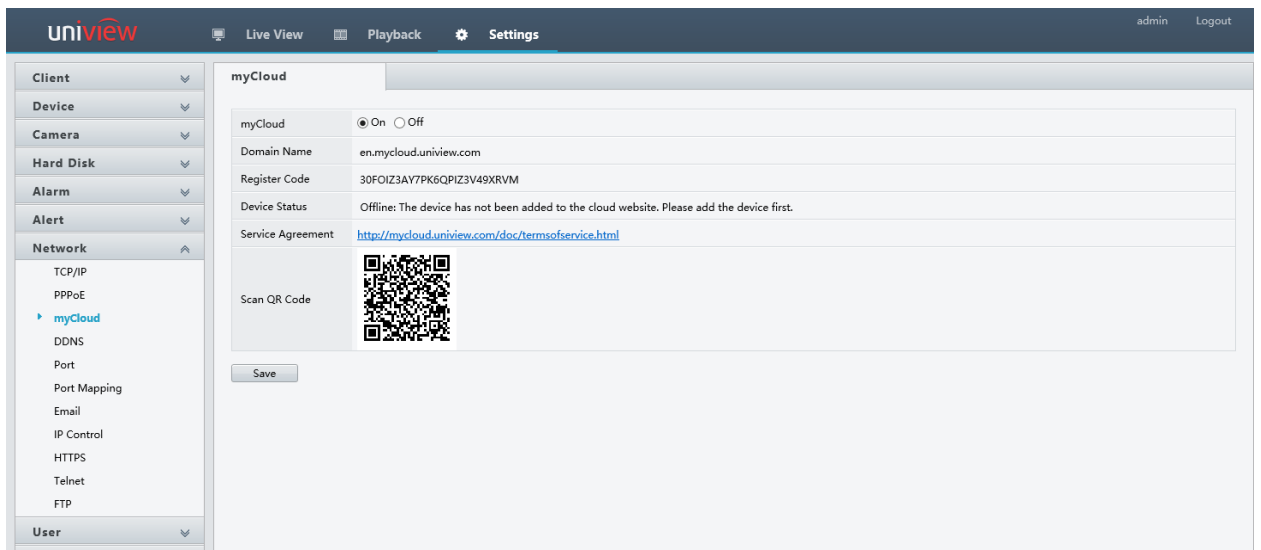
The myCloud feature is toggled on by default. Please note that a new myCloud account cannot be registered from the recorder interface.

NOTE: On some device firmware versions Uniview uses the title myCloud rather than EZCloud. The URL containing myCloud will redirect to the proper EZCloud URL accordingly.

- Using the Wizard – upon first booting a new recorder, the startup Wizard will appear with the QR code to download the EZView smart phone application and to scan to add the device (after registering an account via the phone app). The EZView phone app will be discussed in more detail later in this guide.

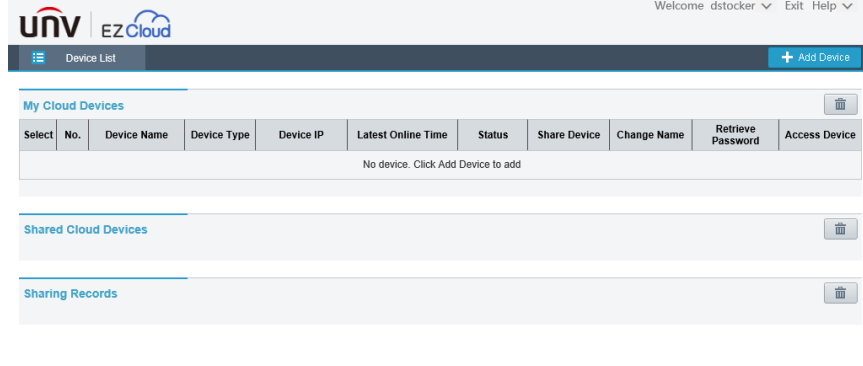


- On a web browser – enter in the IP address of the device (local, remote or domain) and accessing the web interface. In the web interface, there is a similar menu to the one found on the recorder's interface (see above). Once logged in, navigate to the Settings tab, then Network, then the myCloud submenu.



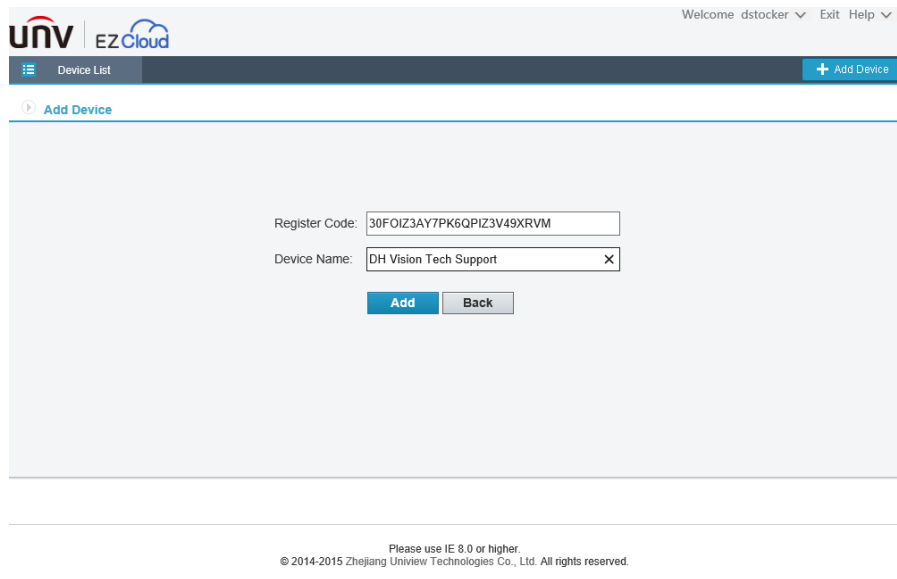
NOTE: Currently (as of December 2015), the web interface of Uniview devices will only work properly on Internet Explorer version 8 or higher.

EZCLOUD WEB



Please use IE 8.0 or higher.
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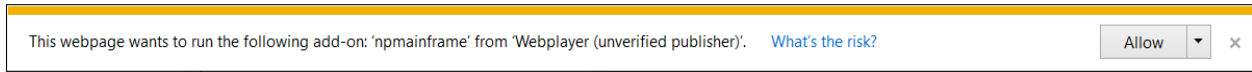
Once logged into the EZCloud web portal (as described in the [EZCloud Registration](#) guide section above), the backend will appear as the image shown above. To add a device, click the + Add Device button and a new webpage will display with entry boxes for both the Register Code and Device Name. The Register Code is the 26 digit and character string detailed in the section above. The Device Name is a title that represents the device being registered (e.g. Office B, 123 Elm St, ABC Company, etc.)



After clicking the Add button, the Device List will appear again with the newly registered device listed under My Cloud Devices. If the P2P service plug-in was not previously installed, the follow message will appear on the upper most portion of the web page:

Please click [\[Download\]](#) for the latest P2P service plug-in. Please keep your browser closed and ignore anti-virus alerts (if there's any) during installation.

Click the Download link and install the plug-in (the computer may have to be restarted to complete the install) After rebooting the Windows PC and accessing the EZCloud backend again, there may be a similar message on the lower portion of the web page as follows:



On the management page, there are three different sections: My Cloud Devices, Shared Cloud Devices and Sharing Records.

Welcome dstocker ▾ Exit Help ▾

UNV | EZ Cloud

Device List + Add Device

My Cloud Devices 🗑️

Select	No.	Device Name	Device Type	Device IP	Latest Online Time	Status	Share Device	Change Name	Retrieve Password	Access Device
<input type="checkbox"/>	1	DH Vision Tech Support	NVR202-08EP	50.193.145.82	12/22/2015 4:57:48 PM	Online(NAT)	Share	Change	Retrieve	Access

all / inverse 1 in total | 1 / 1 | per page 10 ▾

Shared Cloud Devices 🗑️

Select	No.	Device Name	Device IP	Owner	Valid Until	Description	Status	Change Name	Access Device
<input type="checkbox"/>	1	Demo1	50.193.145.84	DanDHVISION	1/21/2016 4:55:58 PM	DanDHVISION	Online(NAT)	Change	Access

all / inverse 1 in total | 1 / 1 | per page 10 ▾

Sharing Records 🗑️

Select	No.	Device Name	Share To	User Role	Valid Until	Description
<input type="checkbox"/>	1	DH Vision Tech Support	JoshDhVision	admin	1/21/2016 12:00:00 AM	

all / inverse 1 in total | 1 / 1 | per page 10 ▾

Please use IE 8.0 or higher.
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MY CLOUD DEVICES

The My Cloud Devices section of the EZCloud management page lists all added devices to the registered account. The devices can be navigated using a simple interface utilizing arrows to browse through the results (see toolbar at the bottom of each section).

As with the following sections, there are multiple columns that denote information that pertains to the recorder(s) registered to the account.

- Device Name – the name given to the device when it was first registered.
- Device Type – the model # of the registered device
- Device IP – the external IP address of the registered device
- Latest Online Time – the time the device was last detected to be online
- Status – indicates whether the device is Online, Offline or having a network error
- Share Device – a link that provides a menu to share the registered device:

Fill in sharing device information.

Device Name:

Share To:

Valid Till:

User Rights:

Description:

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NOTE: The 'Share To' input box receives the email or username of the account being shared to. A date and time can be set indicating how long the device will be shared. A specific user group can be selected defining the rights given to the shared device. Finally, a description can be entered to let the user know details that represent the device.

- Change Name – a link that allows the user to change the name of the device
- Retrieve Password – allows the user to generate an overriding password in the case of a forgotten password:

Device List + Add Device

Retrieve Password

Device Name:

Serial Number:

Valid Date:

Email:

Verification Code:

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NOTE: All information will be entered automatically into the above form as it pulls it from the registered device. By clicking the Acquire button, the form will send an email with the verification code. Enter the verification code into the input box and click Retrieve to receive a password. **The generated password will only work for the valid date and only if the device is properly set to the valid date.** If the date is set incorrectly on the device, adjust accordingly on the Retrieve Password web page.

- Access Device – provides a link that will launch the device’s web service page, allowing remote access. NOTE: Login credentials are not needed when accessing the device since the device is already authorized by EZCloud.

SHARED CLOUD DEVICES

The Shared Cloud Devices section displays a list of devices that were shared to the registered account. The columns of information in this section are very similar to My Cloud Devices, however there are some unique information displayed for shared devices.

- Owner – the name of the account that originally registered and shared the device
- Valid Until – when sharing a device, a specific date and time can be set as an expiration period which is displayed in this column
- Description – displays relevant information pertaining to the device created by the owner at the time of sharing the device

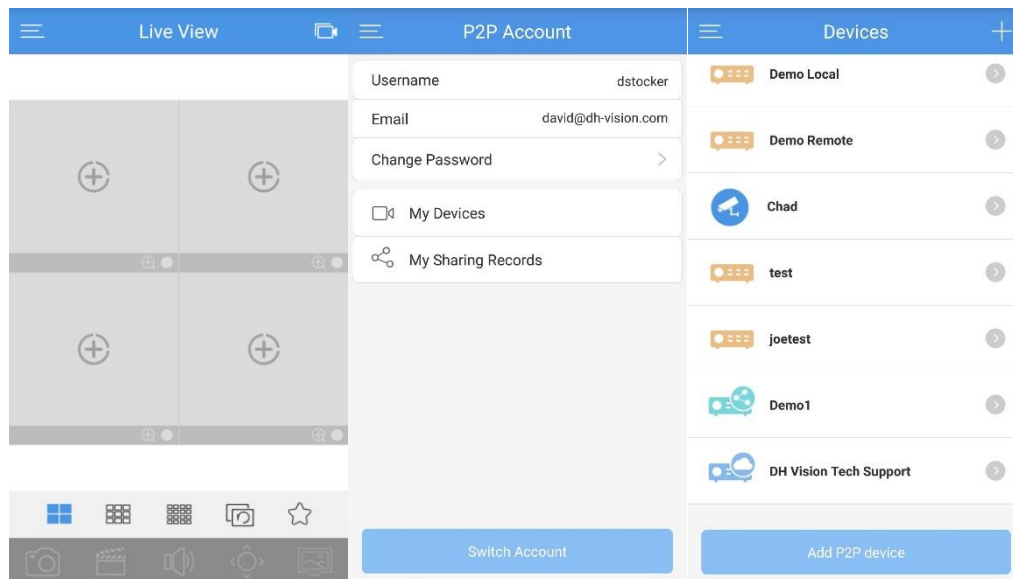
All other columns such as Status, Change Name, Access Device and so forth, function exactly the same as in the [My Cloud Devices](#) section.

SHARING RECORDS

The Sharing Records section displays a list of devices that have been shared by the registered account. As with the previous sections, there are some columns of note.

- Share To – the account name that the device was shared to
- User Role – if multiple accounts were set up on the device, the sharer can opt to change user rights by selecting the applicable account for the Share To user to login with. NOTE that Share To users will not need to be supplied login credentials since the device has been pre-authorized by being registered to EZCloud.

EZVIEW



EZView is Uniview's smart phone application for monitoring, configuring and managing multiple camera systems. Typically, a device will be added to an EZCloud account using the EZView app due to the ability to forgo using a computer for set up.

REGISTER (EZVIEW)

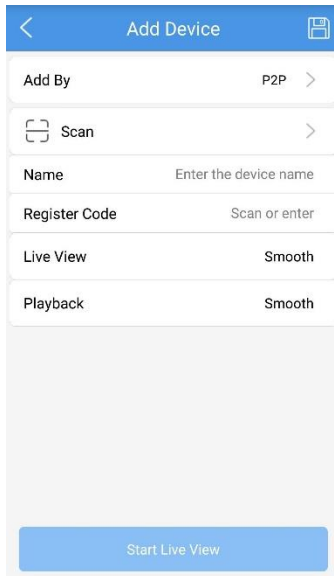
On the main screen, there is an icon in the upper left-hand corner that appears to be like three lines stacked. This is the main menu button. Click the main menu button and then click the P2P Account link at the top of the menu. This will bring up a Login screen that also has a few notable links. The first is the Sign-Up link that will allow for a new account to be registered through the app (similar to the web portal method detailed earlier in this guide). The second link, Forgot Password, gives a similar menu to allow for an email verification and password change.

Once logged in to the registered EZCloud account, the P2P Account menu will appear (referenced above). On the P2P Account menu there are a few minor options which include the ability to change the account's username and password. The My Sharing Records menu lists all instances of when devices have been shared from the current account and sharing can be canceled on any of these instances.

My Devices links to the Devices menu which displays all devices added to EZView (includes MyCloud Devices). See the third image above; there are different icons that indicate what kind of device is being listed. The light blue recorder with a cloud symbol indicates a device added via EZCloud and the teal recorder with the share icon indicates devices that have been shared via EZCloud.

ADD A DEVICE (EZVIEW)

To add a new device to EZCloud, click the small + icon in the upper right-hand corner of the Devices menu. Below is an image of the Add Device menu.



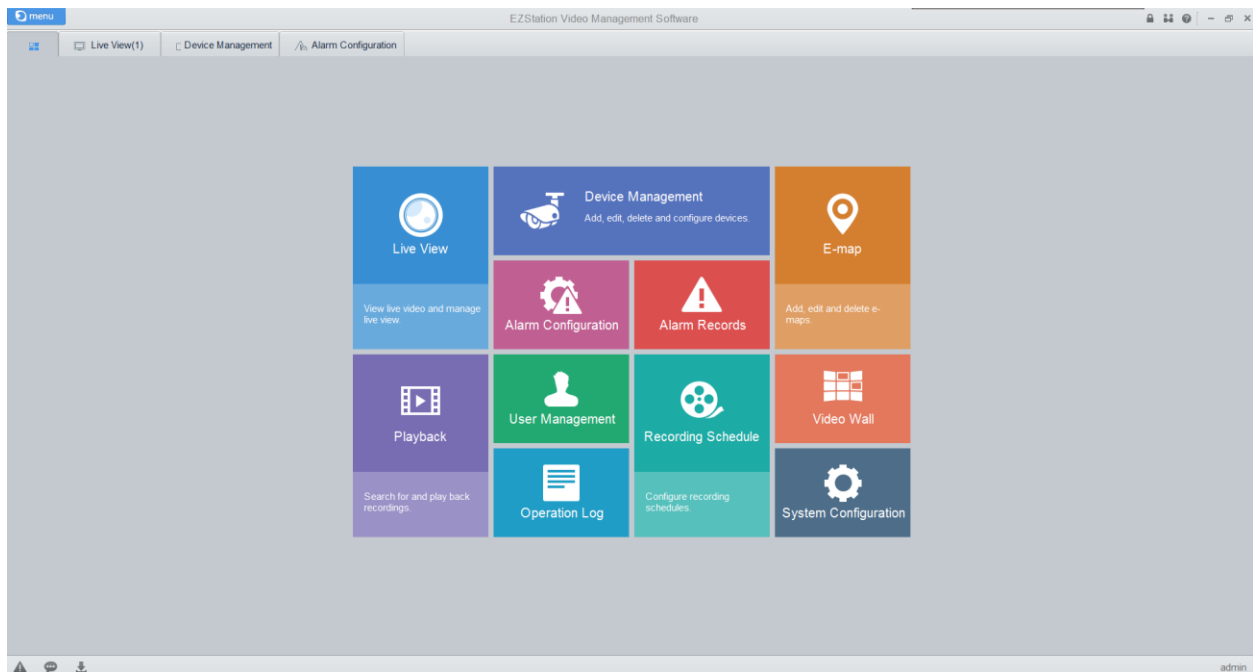
The Add Device menu contains the following options:

- Add By – gives three different options to add devices: P2P, IP/Domain and EZDDNS. This guide will cover the P2P method of adding a device (EZCloud).
- Scan – this option appears when P2P mode is selected (default). Scan allows the user to scan a QR code to quickly enter in the Register code. QR codes are found in a variety of locations (detailed in the [Register Code](#) section earlier in this guide).
- Name – enter in the name of the device for personal reference.
- Register Code – either automatically grabbed via QR code scan or may be entered in manually to register the device (see [Register Code](#) section).
- Live View and Playback – allows the user to select the quality of the video for live and playback. The options are Smooth, Balanced and Clear. Smooth mode is essentially Sub Stream and Clear mode is Mainstream. Balanced will only work if Sub Stream is enabled as it fluctuates between Sub and Mainstream depending on bandwidth usage.

The Save button in the upper right (looks like a floppy disk) will add the device to the logged in registered account. The Start Live Preview button will not only add the device, but it will also launch all cameras in Live View.

NOTE: A registered EZCloud account must be logged in before adding a new device via P2P.

EZSTATION



EZStation is Uniview's CMS software that allows for monitoring, configuring and managing multiple camera systems on a Windows PC. NOTE: Currently (as of December 2015) there is no CMS software developed for Apple Mac computers.

REGISTER (EZSTATION)

Registration of a new EZCloud account is straight forward; on the Home Screen (shown above) click the Device Management tile and then click the Cloud Device on the left toolbar under the Device tab. By clicking the Register button, the EZStation software will launch an Internet Explorer browser window to register an account online. The process of registering on the EZCloud web portal is located in the [EZCloud Registration](#) section of this guide.

Once registered (or if already registered) click the Login button to enter in the login credentials for the EZCloud account of choice. Other options include Auto Login, applying for an account from the login menu and account password recovery.

DEVICE MANAGEMENT (EZSTATION)

The screenshot shows the EZStation Video Management Software interface. The top bar displays the title 'EZStation Video Management Software' and a user profile 'admin'. The main content area is divided into two sections: 'My Cloud Device(1)' and 'Shared Cloud Device(1)'. The 'My Cloud Device(1)' section shows a table with one device: 'DH Vision Tech Support' (NVR208-08EP, 50.193.145.82, Online). The 'Shared Cloud Device(1)' section shows a table with one device: 'Demo1' (NVR208-32, 50.193.145.84, Online, DanDHVISION, Valid Until 2016-01-21 16:55:52). The sidebar on the left lists device categories: Encoding Device, Decoding Device, Storage Device, Stream Media Server, and Cloud Device.

There are two main sections of interest here: the My Cloud Device list and the Shared Cloud Device list. Above those two lists are a header with the currently logged in EZCloud account, a Refresh link to refresh the current lists, a Switch Account link which launches a new login menu for account switching and a Logout link.

MY CLOUD DEVICE (EZSTATION)

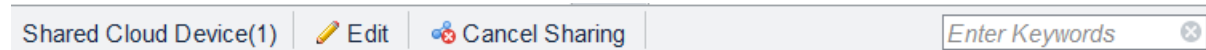
The My Cloud Device list is dedicated to managing devices that have been added to the registered EZCloud account. The toolbar has the following features:

The toolbar for the My Cloud Device list includes the following elements: 'My Cloud Device(1)', '+ Add', 'Edit', 'Delete', 'Sharing', 'Sharing Records', and a search bar labeled 'Enter Keywords'.

- My Cloud Device(x) where x indicates the number of devices in the list.
- Add – registers a new device to the currently logged in EZCloud account. Prompts for Registration Code and Device Name.
- Edit – can change the device name either locally or both locally and on the cloud.
- Delete – removes device from the list (NOTE: it will also remove it from the account).
- Sharing – share the selected device with another account.
- Sharing Records – lists the devices that were shared from this account along with applicable information.
- Search Bar – search for a registered device in the list by entering a keyword(s).

SHARED CLOUD DEVICE (EZSTATION)

The Shared Cloud Device list displays the devices that have been shared to the currently logged in account. If the integrator opts to share cloud devices with the end user, then the end user will be utilizing this list to see the status and have access to those devices. The toolbar has the following features:



- Shared Cloud Device(x) where x indicates the number of devices in the list.
- Edit – allows changing of the device name either locally or both locally and on the cloud.
- Cancel Sharing – essentially removes a device from being shared to the currently logged in account.
- Search Bar – search for a shared device in the list by entering a keyword(s).

Viewing and configuring the cloud devices listed in the Cloud Device menu is the same as any of the other device types on the Device Management page. Please see Uniview's help file by clicking the User Manual button the topmost toolbar in the upper right of the EZStation software, to learn about how to group devices to prepare them for live viewing.

ADDITIONAL INFORMATION

Cloud Update (firmware) will not function unless the device is registered to an EZCloud account.

EZView has a speed test function that allows the user to find the upload speed for a device registered to the currently logged in EZCloud account.

A device can only be registered to one EZCloud account. All other accounts need the device to be shared to them by the EZCloud account that the device was originally registered to unless the device is deleted from the original account's device list.

EZCloud may be referred to as MyCloud on older firmware versions.

P2P refers to Peer-To-Peer. A "Cloud" device refers to, in the case of EZCloud, a device that has been registered to EZCloud for remote connection (not a remote storage medium). The way P2P works is that the device connects to the EZCloud server and then to the end user. The EZCloud acts as a go between, rather than having to open up ports (pinholes, virtual servers, etc.) to allow remote access to offsite clients. This is the preferred method of remote connection since open ports can pose a security risk and can be difficult to setup on complex networks (especially when a firewall is implemented). Also, many satellite internet service providers and mobile hotspots will not allow ports to be opened unless a static IP is purchased (usually at a premium).