

IndigoVision

**HD Ultra X Range
Camera**

Web Configuration Guide



IndigoVision

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This guide uses the following formats for safety notices:



Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



Indicates a hazardous situation which, if not avoided, could result in moderate injury, damage the product, or lead to loss of data.

Notice

Indicates a hazardous situation which, if not avoided, may seriously impair operations.



Additional information relating to the current section.

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1 INTRODUCTION

This Web Configuration Guide contains information about configuring the HD Ultra X Range cameras using the Web Configuration pages.

The guide covers accessing the camera, initial set up, and advanced configuration.

Cameras

This guide covers the following cameras:

- HD Ultra X Bullet
- HD Ultra X Minidome

2 ACCESSING THE CAMERA

This section contains instructions on how to access the HD Ultra X Range cameras and log in to the Web configuration interface.

Requirements

The HD Ultra X Range cameras support web configuration and management using a PC.

Before starting configuration, establish a network connection:

1. Ensure that the HD Ultra X Range cameras are correctly connected to the network.
2. Ensure that the HD Ultra X Range cameras IP address and the PC IP address are in the same network segment.
3. If there is a router, set the corresponding gateway and subnet mask.
4. Use the command `ping <IP address>` to check the connection.

Logging in

1. In a standard web browser, navigate to the IP address for the camera.
For example, if your device IP is 10.5.1.10, enter `http:// 10.5.1.10` in the address bar.
The login dialog is displayed.
2. On your first login, you must set the password for the `admin` user.
For more information, see *"Set new password" on page 10*
3. Enter login and password on the login dialog.
The **Live View** page is displayed.
4. If the browser supports plugins and VLC is installed, a live Main stream will be displayed on the web page.
If VLC is not installed, follow the on-screen instructions to install it.
Recent browsers do not support plugins. If you do not install the VLC plugin, web page streaming is restricted to the HTML5 (MJPEG) codec.

3

INITIAL CAMERA CONFIGURATION

This section contains information about the HD Ultra X Range cameras settings which must be configured before first use.

Set new password

When the HD Ultra X Range cameras are accessed for the first time using the Web configuration pages, the web browser displays a login dialog.

1. Log in with the default username `admin` and password `1234`.
The **Password not set** dialog is displayed.
2. Click **Set Password**.

For security reasons, it is important that you set a secure password.

1. Enter a new Admin password in the **Password** and **Retype Password** fields shown, following the displayed password requirements.
You can also use the password strength indicator shown to ensure that you create a high-strength password.
2. Click **Set Password**, then **OK** to complete the configuration.

► For more information, refer to the *Control Center Security Hardening Guide*

Create new users

For security reasons, you should create additional users with the appropriate level of access required.

► For more information, please refer to the *Control Center Security Hardening Guide*

1. On the **Setup > System > User Management** page, click **Add**.
2. Enter a username in the **ID** field and a password for the new user, following the password requirements.
Use the password strength indicator shown to ensure that you create a high-strength password.
3. In the **User Authority** dropdown, select the `Operator` group.
4. Click **Apply** to complete the creation of the new user.

Modify date and time settings

You can use the Web configuration pages to change the date and time settings on the camera.

1. To enable **Timezone** and **NTP**, configure the following on the **Setup > System > Date&Time Settings** page if required:
 - Select **Timezone** and click **Apply**.

- Enter NTP server address and click **Apply**.
2. To enable DST, configure the following on the **Setup > System > DST Settings** page if required:
 - DST Type
 - Start Time
 - End Time

Modify IP address and network settings

By default, the HD Ultra X Range cameras use DHCP to get an IP address on initial startup. Alternatively, you can statically configure the IP address and network settings to allow the camera to work on the required network.

Use the Web configuration pages to change the IP address and network settings.

1. Enter the following network configuration on the **Setup > Network > Network Settings** page if required:
 - IP address
 - Subnet mask
 - Default gateway
 - DNS servers



Control Center requires that the IP address for a device in a site remains fixed. If the DHCP server has been configured to lease addresses from an address pool, rather than based on MAC address, the device will not work correctly with Control Center.

Modify camera settings

After the camera has been installed in its final location, you need to adjust the image settings to ensure that you have the best quality picture.

Use the Web configuration pages to change the camera settings.

1. Adjust the image settings to fit the scene using the options on the **Setup > Camera** page.

Adjust the required settings manually, for example:

- **Brightness**
- **Contrast**

Configure CyberVigilant

You can use the Web configuration pages to configure the CyberVigilant settings on the camera if required:

1. Click **Setup > Security > CyberVigilant**.
2. Enter the IP address for the authorized device.
3. Click **Add**.
4. Repeat step 2 and step 3 for all required IP addresses.
5. Select **Enable CyberVigilant**.
6. Click **Apply**.

CyberVigilant functionality is now enabled.



When specifying which PCs may access the device, make sure that you enter the address of the PC being used to configure the device before enabling IP address restrictions, otherwise your own access will be prevented.

4 CONFIGURING ANALYTICS

The HD Ultra X Range cameras have video analytics capabilities. This section provides details about the capabilities available and how to configure them for common applications.

Enable motion detection

Motion detection monitors the scene for any motion. When motion in the scene is detected, the camera triggers an event that can be used to activate an alarm or trigger an action in Control Center.

Motion detection is configured on the **Setup > Events > Motion** page.

1. Select an **Area** from **Motion Area 1** to **Motion Area 4**.
2. Click and drag on the preview image to configure the area.
3. Set **Activation** to **Enable**.
4. Adjust **Sensitivity** if required.
5. Click **Save**.

Using ACF rate control

Using Activity Controlled Frame-rate (ACF) rate control allows video to be transmitted at a reduced frame rate when no **Event** is active, saving bandwidth, and recording disk space.

ACF requires **Rate Control** settings to be configured and an appropriate **Event** to be enabled.

Enable ACF

ACF is configured on the **Setup > Video&Audio** pages.

To enable and configure ACF do the following:

1. On **Setup > Video&Audio > Video** page, set the **Main/Sub** stream settings to the required inactive period values, for example, 1 fps, 1024 kbps.
2. Set **Smart Core** to **Smart.ACF**.
3. Click **Apply**.
4. On **Setup > Video&Audio > SMART.ACF** page, select **Main/Sub stream** and configure the required active period values, for example, 30 fps, 4096 kbps.
5. Set the required **Hold On Time**. This is the period that the ACF mode will remain active after the triggering event ends.
6. Select the required **Trigger Event** (**Motion**, **Alarm Input**, or both).
7. Click **Apply**.

ACF activation and duration

Active **Motion** or **Alarm Events** will switch the camera to the **ACF** mode.

The camera will then run in the ACF mode for the configured ACF Hold On Time:

Codec and **Resolution** are not configurable for ACF use. All **ACF** configurations use the same values for **Codec** and **Resolution** as set on the **Video** page.