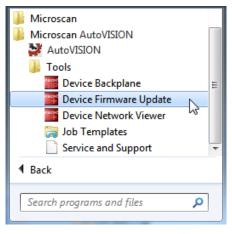
OMRON MICROSCAN

MicroHAWK MV Engine Firmware Update Guide

AutoVISION's simple **Device Firmware Update** feature makes it easy to download and install firmware on your camera.

To download and install firmware:

1. Navigate to Windows Start Menu > Programs > Microscan AutoVISION > Device Firmware Update.



2. After you click Device Firmware Update, the Smart Camera Firmware Update Tool will appear. Select your camera from the Please Select a Smart Camera to Update dropdown menu.

Note: Only cameras on the same network as your PC will be visible in this menu.

Once you have selected your camera, its identifying details, such as **Model**, **Firmware Version**, **MAC Address**, **IP Address**, **Status**, and **PC Version** will be displayed.

| Smart Camera Firmware | Update Tool |
|--------------------------|---|
| Please Selec | t A Smart Camera to Update |
| 122112 | - |
| | WVGA |
| | Build 10 UPDATE RECOMMENDED |
| | 00:08:43:12:21:12 192:168.1.12 [mask: 255.255.255.0] |
| | Bunning |
| PC Version | |
| Select the F Build 17 | irmware Version |
| | |
| | |
| | |
| Exit | Update Firmware |
| LAIL | opullerinnware |
| | |

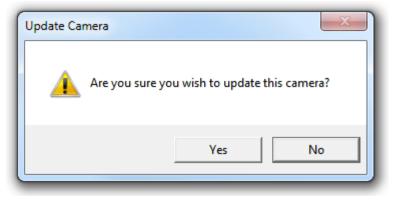
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3. Select the desired version of firmware from the **Select the Firmware Version** dropdown menu. This menu will list all the firmware versions on your PC.

Note: The firmware versions shown in this document are representative examples and may not necessarily reflect what you see on the dropdown menu.

4. Click the Update Firmware button.

A dialog will appear asking Are you sure you wish to update this camera? Click Yes.



If a username and password have been defined for the camera, a second dialog will then appear prompting you for your username and password.

Important: The username and password are both case-sensitive. Click **OK** after you have entered your username and password to begin the download and install process.

| 5. Login to Device Vision1 | | |
|----------------------------|--------|--|
| User Name: Password: | | |
| ОК | Cancel | |

The firmware update process may take several minutes.

| Smart Camera Firmware Update Tool | | |
|--|---|--|
| Please Select A Smart Camera to Update | | |
| 122112 | * | |
| Model | WVGA | |
| Firmware Version | Build 10 UPDATE RECOMMENDED | |
| MAC Address | 00:0B:43:12:21:12 | |
| IP Address | 192.168.1.12 [mask: 255.255.255.0] | |
| Status | Updating Firmware | |
| PC Version | Build 17 | |
| Select the Firmware Version | | |
| Build 17 | * | |
| | | |
| 1 | Transfering update to camera (Stage 1 of 4) | |
| Do not | Do not power down or disconnect camerall | |
| Exit | Update Firmware | |

Once the firmware is downloaded and installed, the camera will reboot.

| Smart Camera Firmware | Update Tool |
|-----------------------|---|
| Please Selec | at A Smart Camera to Update |
| 122112 | |
| 1.22.1.2 | |
| Model | WVGA |
| | Build 10 UPDATE RECOMMENDED |
| MAC Address | 00:0B:43:12:21:12 |
| IP Address | 192.168.1.12 [mask: 255.255.255.0] |
| | Updating Firmware |
| PC Version | Build 17 |
| Salaat the E | irmware Version |
| Select the F | Irmware version |
| Build 17 | · |
| | |
| | |
| Update | Complete - Rebooting Smartcamera (Stage 4 of 4) |
| | |
| | |
| | |
| | |
| Exit | Update Firmware |
| | |
| | |

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5. When the entire firmware update process is complete, click the Exit button to close the utility.

| Smart Camera Firmware | Update Tool | | |
|-----------------------|--|--|--|
| Please Selec | Please Select A Smart Camera to Update | | |
| 122112 | • | | |
| Model | WVGA | | |
| Firmware Version | Build 17 No Update Needed | | |
| MAC Address | 00:0B:43:12:21:12 | | |
| IP Address | 192.168.1.12 [mask: 255.255.255.0] | | |
| Status | Running | | |
| PC Version | Build 17 | | |
| Build 17 | • | | |
| | Update Successful | | |
| | _ | | |
| Exit | Update Firmware | | |

Firmware Compatibility

Note that the camera's firmware version must match the version of Visionscape being used to manipulate a job on the PC. The following dialog will appear if the firmware and software versions do not match.

| Incom | patible firmware |
|---------------|--|
| • | The version of the firmware loaded on this camera does not match the version installed on your computer. Please update the firmware before downloading a job to the camera. |
| Click view | c 'OK' to monitor the existing job on the camera. Click 'Cancel' to stay in this |
| | OK Cancel |