

## NewTek PTZ3 or PTZ3 UHD Firmware Update Guide

To update the firmware on your PTZ3 or PTZ3 UHD Camera, follow the instructions below based on your current firmware version.

#### **Required Materials:**

- USB-C cable/Serial cable
- Internet Connection

### For PTZ3 Firmware v217 or Earlier:

- 1. Download the zip file from the Vizrt website.
- 2. Open the "Nations MCU Download Tool" PDF for detailed update steps.
- 3. Upgrade the ARM using the serial port (National tool).
  - 。 Instructions: Nations MCU Download Tool 升级指导.pdf
  - Tool: Nations MCU Download Tool
  - ARM Firmware for **PTZ3**:

"Newtek\_NDI\_PTZ3\_AmbaHD\_AT\_Mainboard\_ARM\_V2.1G\_20240805.bin"

• ARM Firmware for **PTZ3 UHD**:

"Newtek\_PTZ3\_UHD\_Amba30X\_UHD\_AT\_Mainboard\_ARM\_V2.1G\_20240805.bin"

- 4. Upgrade the ISP using the USB Port with the Ambarella tool.
  - Instructions: Amba Firmware (ISP) Upgraded Via USB.pdf
  - Tool: Ambarella Upgrade Tools
  - ISP Firmware for **PTZ3**:

"fw\_fullHD18X\_newteck\_ptz3\_20240808\_v522.elf"

• ISP Firmware for **PTZ3 UHD**:

"fw\_4K30x\_cv22\_newteck\_20240808\_v522.elf"

# vızıt<sup>)</sup>

### For PTZ3 Firmware Between v217 - v422:

- 1. Download the zip file from the Vizrt website.
- 2. Open the "Telycam WebUI Upgrade Guide" PDF for detailed update steps.
- 3. Upgrade the ARM using the WebUI.
  - Instructions: Telycam WebUI Upgrade Guide.pdf
  - ARM Firmware for **PTZ3**:

"Newtek\_NDI\_PTZ3\_AmbaHD\_AT\_Mainboard\_ARM\_WEB\_V2.1G\_20240805.bin"

• ARM Firmware for <u>PTZ3 UHD</u>:

"Newtek\_PTZ3\_UHD\_Amba30X\_UHD\_AT\_Mainboard\_ARM\_WEB\_V2.1G\_20240805.bin"

4. Install the patch using the WebUI (this file must be upgraded first).

• Patch for <u>PTZ3</u>:

"fw\_fullHD20X\_cv22\_newtek\_patch.bin"

• Patch for **PTZ3 UHD**:

"fw\_4K30x\_cv22\_newtek\_patch.bin"

- 5. Install the ISP Firmware.
  - ISP Firmware for <u>PTZ3</u>:

"fw\_fullHD18X\_newteck\_ptz3\_20240808\_v522.bin"

• ISP Firmware for **PTZ3 UHD**:

"fw\_4K30x\_cv22\_newteck\_20240808\_v522.bin"

For PTZ3 Firmware v422 or Above:

- 1. Download the zip file from the Vizrt website.
- 2. Open the "Telycam WebUI Upgrade Guide" PDF for detailed update steps.
- 3. Upgrade the ARM using the WebUI.
  - Instructions: Telycam WebUI Upgrade Guide.pdf
  - ARM Firmware for <u>PTZ3</u>:

"Newtek\_NDI\_PTZ3\_AmbaHD\_AT\_Mainboard\_ARM\_WEB\_V2.1G\_20240805.bin"

• ARM Firmware for **PTZ3 UHD**:

"Newtek\_PTZ3\_UHD\_Amba30X\_UHD\_AT\_Mainboard\_ARM\_WEB\_V2.1G\_20240805.bin"



- 4. Upgrade the ISP using the WebUI.
  - ISP Firmware for <u>PTZ3</u>:

"fw\_fullHD18X\_newteck\_ptz3\_20240808\_v522.bin"

• ISP Firmware for <u>PTZ3 UHD</u>:

"fw\_4K30x\_cv22\_newteck\_20240808\_v522.bin"

### Troubleshooting (If Camera is Bricked):

If the installation fails and the camera becomes inoperable, you can restore it by upgrading the ISP via USB-C (using an ELF file) and the ARM via the serial port.

- 1. Upgrade the ISP using the USB Port with the Ambarella tool.
  - Instructions: Amba Firmware (ISP) Upgraded Via USB.pdf
  - Tool: Ambarella Upgrade Tools
  - ISP Firmware for **PTZ3**:

"fw\_fullHD18X\_newteck\_ptz3\_20240808\_v522.elf"

• ISP Firmware for **PTZ3 UHD**:

"fw\_4K30x\_cv22\_newteck\_20240808\_v522.elf"