

# Vertiv™ Avocent® IPUHD 4K IP KVM Device

## Release Notes

VERSION 2.2.5, JANUARY 2024

### Release Notes Section Outline

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**NOTE: At this time, the former Vertiv™ Avocent® ADX platform is transitioning into the Vertiv™ Avocent® DSView™ solution. During this transition, there may temporarily still be references to “ADX” within product-related features and documentation.**

## 1. Update Instructions

The Vertiv™ Avocent® IPUHD 4K IP KVM device firmware may be updated through the web User Interface (UI) of the Vertiv™ Avocent® RM1048P Rack Manager. To access the Vertiv™ Avocent® RM1048P Rack Manager web UI, enter your assigned IP address into a web browser (this IP address is provided upon initial set up of the rack manager).

**NOTE: For additional information on this process, see the Vertiv™ Avocent® RM1048P Rack Manager Quick Installation Guide that is provided with the rack manager and also available at [Vertiv™ Avocent® RM1048P Rack Manager](#) under the *Documents & Downloads* tab.**

To update the 4K IP KVM device firmware from the rack manager:

1. Visit the Vertiv™ Avocent® IPUHD 4K IP KVM device firmware download page located here: [Vertiv™ Avocent® IPUHD 4K IP KVM Software Downloads](#)
2. Download the latest firmware and save it to your local computer, FTP, HTTP or TFTP server.  
**NOTE: The latest firmware version is listed in the Device Firmware Version Information section of these release notes.**
3. In a web browser, enter **https://<appliance.IP>** using the IP address for Vrf\_app0 that you configured from the Vertiv™ Avocent® RM1048P Rack Manager console menu.
4. Enter your username and password at the login screen; the Targets List screen opens.
5. Find your Vertiv™ Avocent® IPUHD 4K IP KVM device listed in the Targets List, then click on the vertical ellipsis icon at the end of this selected target's row.
6. Select the *Firmware Update* option.
7. During the firmware update process, select the filename which should be updated along with the Vertiv™ Avocent® IPUHD 4K IP KVM device (with this version, for example, select *ipuhd\_2.2.5.static.mtd.tar*).

## 2. Device Firmware Version Information

DEVICE/PRODUCT	VERSION	FILENAME
Vertiv™ Avocent® IPUHD 4K IP KVM device	2.2.5	ipuhd_2.2.5.static.mtd.tar

### 3. General Features Overview

For more information and detailed instructions on using the Vertiv™ Avocent® IPUHD 4K IP KVM device and also optionally managing it with the Vertiv™ Avocent® RM1048P Rack Manager, visit [Vertiv™ Avocent® IPUHD 4K IP KVM](#) or [Vertiv™ Avocent® RM1048P Rack Manager](#) for accompanying user documentation. Select the *Documents & Downloads* tab from each link location to access documentation options.

**NOTE: If you need additional assistance, please contact your Vertiv Technical Support representative.**

#### Choose Your Configuration Mode

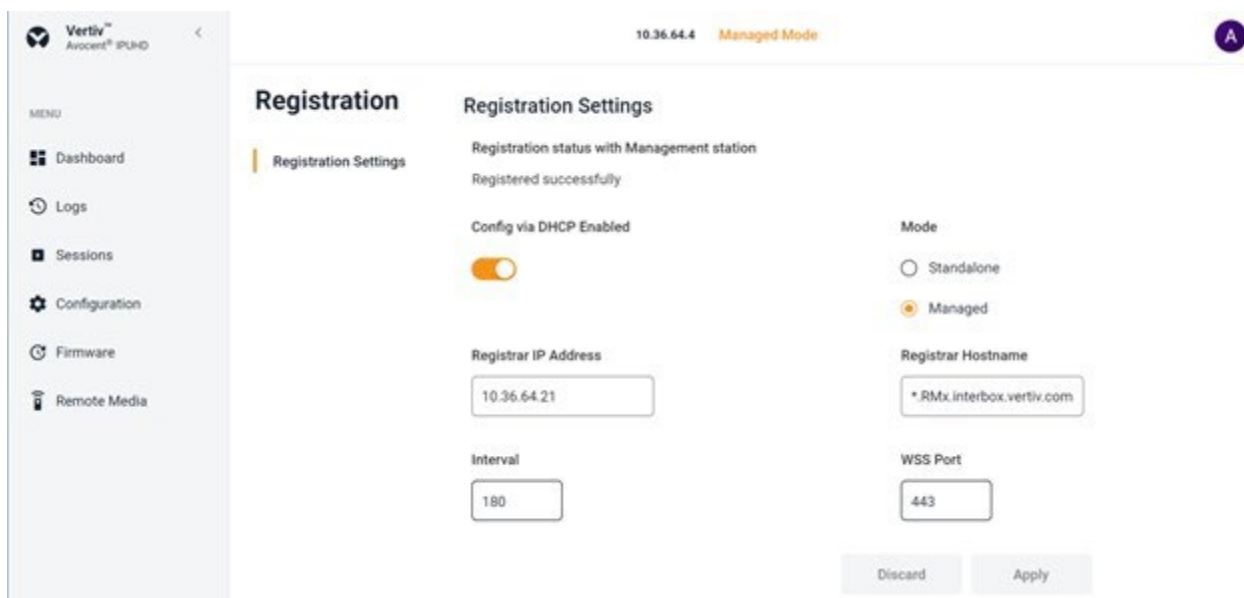
The Vertiv™ Avocent® IPUHD 4K IP KVM device allows you to choose which configuration you would like to use for your device:

- Choosing Managed mode allows you to operate your device through the Vertiv™ Avocent® RM1048P Rack Manager. By default, Managed mode is selected.
- Choosing Standalone mode allows you to operate your device through the Vertiv™ Avocent® IPUHD 4K IP KVM device built-in web UI and power your device with a Vertiv™ Avocent® IPSS Power Supply.

**NOTE: For additional information on accessing the 4K IP KVM device web UI, see the Vertiv™ Avocent® IPUHD 4K IP KVM Device Quick Installation Guide for Configuration with a Vertiv™ Avocent® IPSS Power Supply available at [Vertiv™ Avocent® IPUHD 4K IP KVM](#). The section for this type of configuration begins on page 2 of the quick installation guide.**

To change your mode option within the Vertiv™ Avocent® IPUHD 4K IP KVM device web UI:

1. In a web browser, enter **https://ipuhd-<macaddr-LAN1>.local**, where macaddr-LAN1 is the MAC1 listing on the sticker of the 4K IP KVM device (for example: **https://ipuhd-12a4dc3255b0.local**).  
**NOTE: If the hostname is not found, you may use this predefined IP address instead: https://169.254.0.10.**
2. Enter your Vertiv™ Avocent® IPUHD 4K IP KVM device username and password at the login screen, then select *Configuration- Registration*.
3. Under the Mode heading within the Registration Settings, click either the Standalone or Managed option.



## Supported Features List

The following additional features are also available with this release of the Vertiv™ Avocent® IPUHD 4K IP KVM device:

- Audio, video resolution and color:
  - Remote audio with recording capabilities
  - 4K video resolution (3840 x 2160) at 30 Hz
  - 24-bit color
- KVM features:
  - XON/XOFF protocol support is now available for the serial ports
  - When in Standalone Mode in the UI, the following features are available:
    - The HTML5 KVM Viewer provides automatic reconnect on network loss
    - KVM Preview is available
    - You may enable automatic host OS lock for Windows/Linux (only)
    - You may enable an option to prevent a target OS connected to a Vertiv™ Avocent® IPUHD 4K IP KVM device from entering sleep mode
  - The following features are available via the KVM Viewer:
    - A selected resolution may now be forced onto the target system from the KVM Viewer
    - You may now configure the number of USB-C video lanes and lane speed in the KVM Viewer
    - You may now wake up a target OS in sleep mode via remote keyboard/mouse activity from the KVM Viewer
    - An option is now available to synchronize the mouse pointer when the KVM Viewer is in Relative mouse mode
- Security and encryption:
  - TLS1.2 and TLS1.3
- Additional capabilities:
  - Access HTML5 and server-based Virtual Media options
  - Access Audit log
  - Configure the Registration settings via DHCP-provided options
  - Launch a serial session
  - Configure the serial port parameters (such as the baud rate)
  - View and manage an active session list
  - Update firmware
  - Locator LED support
  - LDAP and Active Directory support
  - Local user management support
- System Setting capabilities:
  - Enable/disable password policy
  - Enable/disable FIPS 140-2 mode
  - Set HTTPS timeout
  - Set NTP or local time
  - Select Static or DHCP IPv4/IPv6
  - Manage SSL certificates
- Resolved issue where the KVM keyboard and mouse were previously not working on some laptop targets connected to the Vertiv™ Avocent® IPUHD 4K IP KVM device via a USB-C cable

## 4. Client Browser Support Information

**NOTE: Unless noted otherwise, both 32-bit and 64-bit browsers are supported.**

BROWSER	PREFERRED VERSION	SUPPORTED VERSIONS
Edge	99	79+
Firefox	97	35+
Chrome	99	40+
Safari	15	12+

## 5. Viewer Support and Version Information

### Supported Viewers

VIEWER	VERSION
KVM Viewer	2.17.1

## 6. Known Issues and Limitations

This release does not support Microsoft Internet Explorer.

## 7. Resolved Issues

The self-signed server certificate for the web UI has been updated with a new expiration date of February 2027.