PTZ Camera with HDBaseT Output

AT-HDVS-CAM-HDBT-BK and AT-HDVS-CAM-HDBT-WH

The Atlona **AT-HDVS-CAM-HDBT** is an enterprise-grade PTZ camera designed for use in video conferencing and other applications such as lecture capture and distance learning. It features an HDBaseT output for extending video, power, and camera control over distances up to 330 feet (100 meters). The HDVS-CAM-HDBT is ideal for remotely interfacing into HDBaseT equipped switchers and extenders, for use with a video conferencing codec, lecture capture appliance, or PC equipped for video capture. Camera control over HDBaseT or TCP/IP facilitates remote integration into AV control systems. The HDVS-CAM-HDBT delivers high performance, professional-quality imaging with video resolutions up to 1080p @ 60 Hz, as well as fast and accurate auto-focusing, and a fast yet quiet pan and tilt mechanism. Also available is H.264 or H.265 streaming over IP with support for RTMP and RTSP protocols. This PTZ camera is ideal for large meeting spaces, classrooms, training rooms, and many other environments. The HDVS-CAM-HDBT is available in black or white.

Package Contents

1 x AT-HDVS-CAM-HDBT-BK or
AT-HDVS-CAM-HDBT-WH
1 x Wall mounting plate
1 x 1/4 20OUNC screws
1 x IR Remote Control
1 x USB A cable
1 x VISCA to RS-232 DB-9 adapter
2 x AAA battery
1 x Installation Guide

Panel Descriptions

1 **RS-232**
Connect included VISCA to RS-232 adapter here to control the camera with a third party software or hardware controller.

2 **AUDIO IN**
Port not used.

3 **HDBaseT OUT**
Connect to a compatible PoE switcher or receiver, such as: AT-OME-RX11, AT-OME-PS62, etc.

4 **LAN**
Connect to a network switch to control the unit via TCP/IP or webGUI.

5 **DC 12V**
Connect the included 12V power supply to this port.

Mounting Instructions

The HDVS-CAM-HDBT has two installation options, wall mount (included) and ceiling mount (purchased separately).

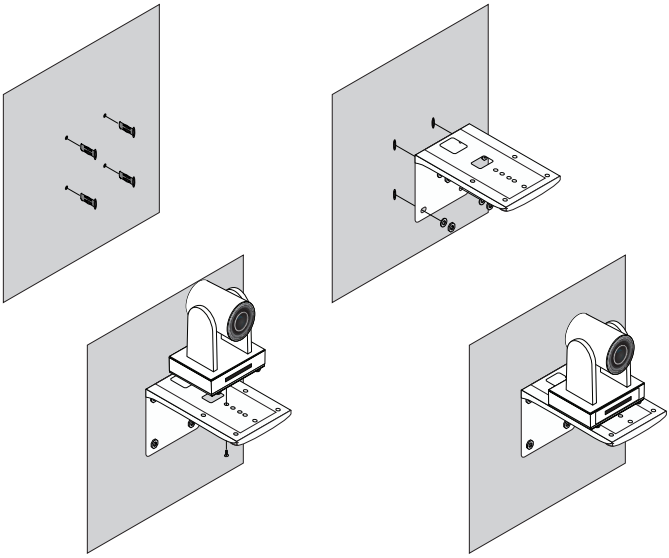
Wall Mount installation

To install the HDVS-CAM-HDBT, 4 M6 swelling bolts, 1 1/4 20UNC bolt, 4 M6 nuts & shims, the included wall mount bracket, and the HDVS-CAM-HDBT are needed.

1 Install the M6 swelling bolts in a rectangular pattern on the wall, 100 mm wide and 50 mm high.

2 Attached the wall mount bracket onto the wall, by placing them on the M6 swelling bolts and securing it with the M6 nuts and shims.

3 Once the wall mount bracket is secure on the wall, place the camera on the top of the wall mount bracket and secure it with the 1/4 20UNC bolt.



Ceiling Mount installation

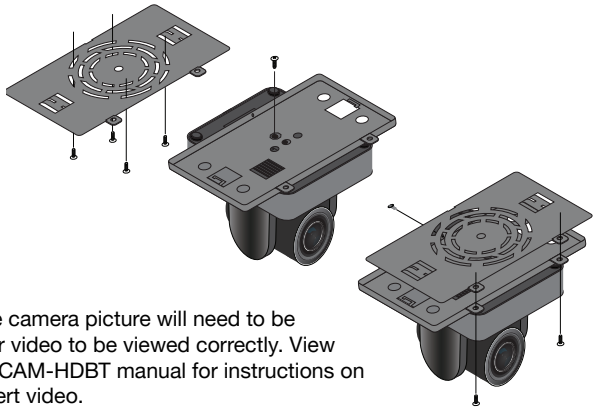
To install the HDVS-CAM-HDBT, 4 PA3X30 self-tapping screws, 4 PM3X6 screws, 4 screw stoppers, 1 1/4 20UNC screw, the optional ceiling upper and lower covering plates, and the HDVS-CAM-HDBT are needed.

1 Install the 4 screw stoppers in the ceiling.

2 Connect the upper ceiling covering plate to the screw stoppers using the PA3X30 self-tapping screws.

3 Connect the lower ceiling covering plate to the bottom of the HDVS-CAM-HDBT using the 1/4 20UNC screw.

4 Mount the lower ceiling covering plate to the upper ceiling plate using 3 PM3X6 bolts.



NOTE: The camera picture will need to be inverted for video to be viewed correctly. View the HDVS-CAM-HDBT manual for instructions on how to invert video.

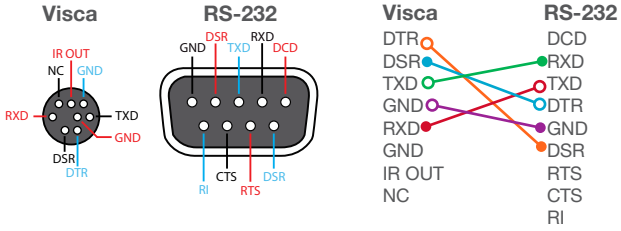
Installation

1 *Optional* Connect the Ethernet cable to the LAN port on the back of the HDVS-CAM.

2 Connect a compatible PoE HDBaseT switcher or receiver (e.g. AT-OME-RX11, AT-OME-PS62, etc) to this port.

3 *Optional* Connect the Visca to RS-232 cable to the Visca port for RS-232 control.

4 *Optional* If a PoE device is unavailable, connect the DC 12V power cable to the unit.



Cable Recommendation Guidelines

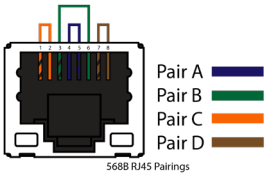
Refer to the tables below for recommended cabling when using Altona products with HDBaseT. The green bars indicate the signal quality when using each type of cable. Higher-quality signals are represented by more bars.

Core	Shielding	CAT5e	CAT6	CAT6a	CAT7
Solid	UTP (unshielded)	■	■■■	■■■■	N/A
	STP (shielded)	■■	■■■■	■■■■■	■■■■■
Performance Rating (MHz)		350	500	600	800

IMPORTANT: Stranded or patch cables are not recommended due to performance issues.

Cable	Max. Distance @ 1080p
CAT5e / 6 / 6a / 7	330 feet (100 meters)

Use of a TIA/EIA 568B termination is recommended for optimal performance.



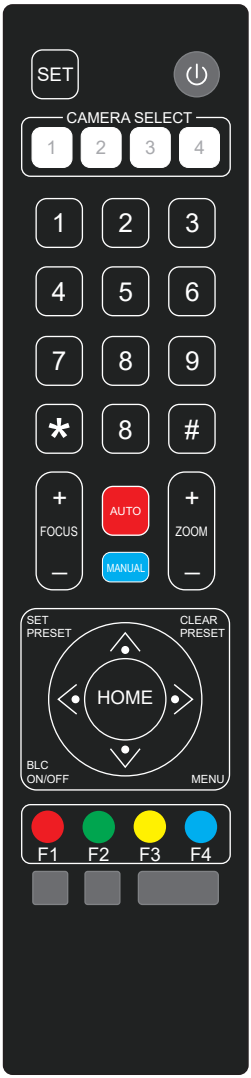
Web Server

The AT-HDVS-CAM-HDBT includes a built-in web server, which allows easy management and control of all features. Follow the instructions below to access the web server.

1. Power the AT-HDVS-CAM-HDBT by connecting a category cable (CAT-5e or better) from the **HDBaseT OUT** port to a compatible receiver unit.
2. Connect a category cable (CAT-5e or better) from the network switch to the **LAN** port on the camera.
3. Launch a web browser and enter the IP address of the AT-HDVS-CAM-HDBT.
4. The AT-HDVS-CAM-HDBT Registration page will be displayed.
5. Enter the username, password, and confirm the password on the registration page to register the device. The password must contain a minimum of 8 characters, including 1 uppercase, 1 lowercase, and 1 numeric character.
6. Click on **Register** button.
7. The AT-HDVS-CAM-HDBT Login page will be displayed.
8. Enter the username and password login credentials that were entered during the registration process.
9. Click the **Login** button.

IR Remote

The AT-HDVS-CAM-HDBT comes with an IR remote control for full control of the camera and use of the OSD menu. See the user manual for full information on the remote buttons, OSD, and presets.



Troubleshooting

Problem	Cause	Solution
Why Can I not get any picture from my camera?	Camera lens is covered, category cable is faulty, or the PC is not set up to receive the video feed from the camera.	• Remove the camera lens cover from the unit. • Try switching out the category cable for a new one. • Check the device manager of the PC to ensure the camera USB device is discovering correctly. If the device is discovered, ensure the camera is selected within the video recording program (e.g. Skype).
Why isn't my video showing correctly?	Resolution, focus, color, and/or refresh rate may be set incorrectly.	• Use the one of the control interfaces (IR, RS-232, or webGUI) to adjust the resolution, focus the camera, switch between 50 and 60 Hz, and many other settings.
Why is my IR remote not working?	There is no power or too much sunlight.	• Ensure there are fresh batteries in the IR remote control. • Move the camera, so the front panel IR window is out of direct light.

Version 2

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