PTZ Camera
for Soft Codec Conferencing Systems

Introduction

The Atlona **AT-HDVS-CAM** is an enterprise-grade PTZ camera designed for use with any soft codec conferencing applications. It features a USB interface for video and camera control. The HDVS-CAM seamlessly integrates for a complete, automated conferencing system that includes AV and USB extension, plus automatic input selection and display powering when a PC is connected. The HDVS-CAM delivers high performance, professional-quality imaging with video resolutions up to 1080p @ 30 Hz, as well as fast and accurate auto-focusing, and a fast yet quiet pan and tilt mechanism. This PTZ camera is ideal for a wide range of small to medium-sized meeting spaces, classrooms, and training rooms.

The HDVS-CAM includes a handheld IR remote control, plus mounting hardware for convenient on-wall installation.
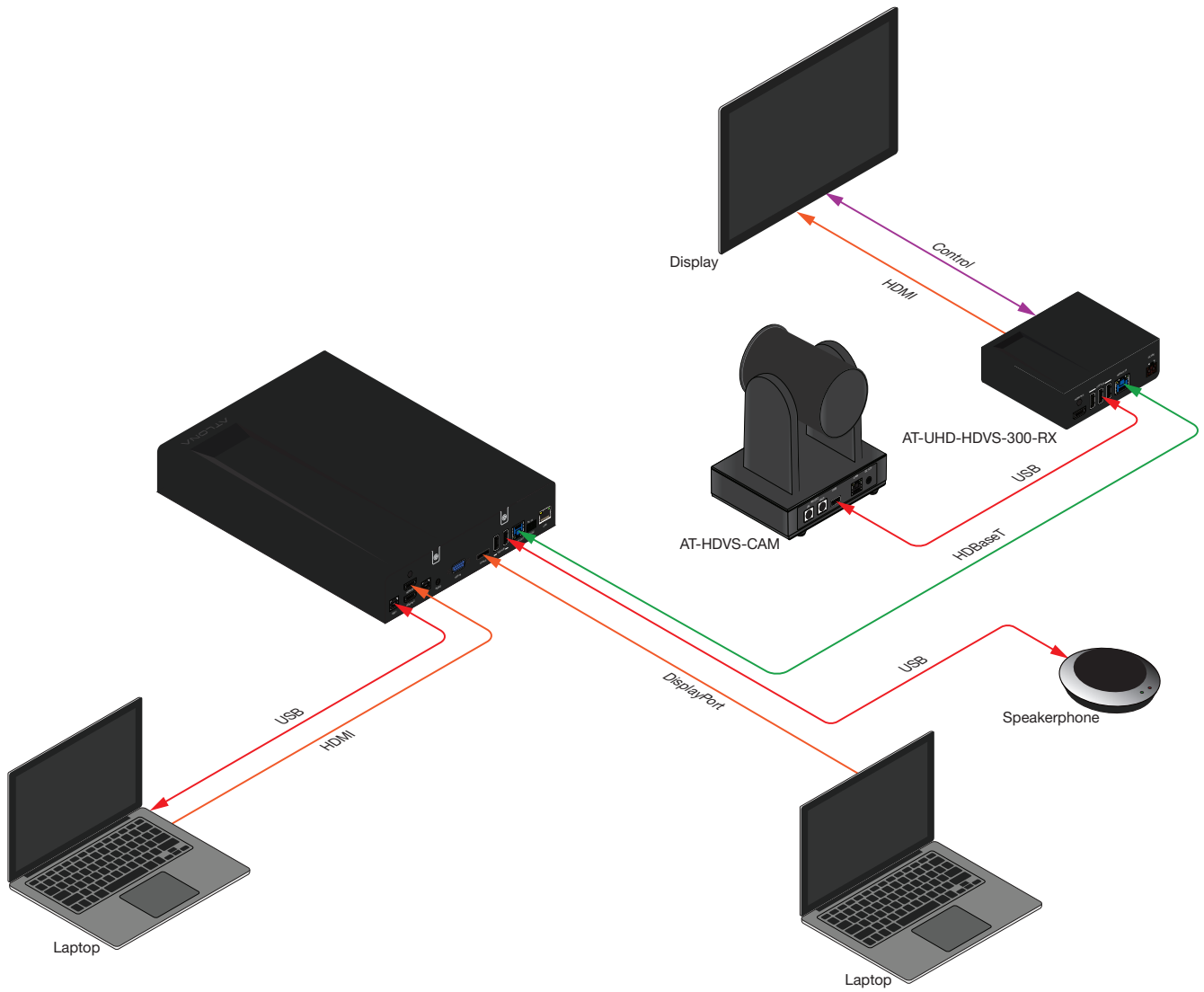
Applications

- **Meeting spaces and conference rooms**
  The HDVS-CAM works together with the USB extension capability of soft codec conferencing systems to enable simple, clean connectivity from the front wall to PCs at the meeting table.

Key Features

- Designed for soft codec applications.
- Use with **AT-OME-MS42** and **AT-OME-MS42-KIT**
- USB 2.0 interface for video and camera control.
- Universal PC compatibility through standard UVC (USB Video Class) driver.
- Compatible with a wide range of soft codecs and unified communications (UC) platforms.
- High performance imaging, fine detail, and color rendering with 1/2.8" low-noise, HD CMOS sensor.
- Available video resolutions from 176×144 up to 1080p @ 30 Hz.
- Fast and accurate auto focus, plus auto white balance and auto exposure modes.
- Fast and quiet pan and tilt mechanism.
- Multi-element zoom lens with 10x optical zoom and a 60.9° horizontal field of view.
- Picture controls available for brightness, color, saturation, contrast, sharpness, and gamma.
- TCP/IP, RS-232, USB, and IR control – convenient handheld IR remote control included.
- Up to 255 camera presets available, 10 accessible from IR remote.
- Supports VISCA camera control protocol.
- PTZ camera control available from popular soft codec and UC clients such as Skype® for Business, Microsoft® Teams, Microsoft Lync®, Google® Hangouts™, Zoom™, Slack™, WebEx®, and RingCentral® Meetings™.
- Easy, GUI-based configuration using integrated web server.
- Camera can be mounted on a wall, or inverted for ceiling installation.
- Includes installation guide, wall mounting bracket, IR remote control, USB Type-A male to male cable, lens cap, and external universal power supply.
- Award-winning 10 year limited product warranty.

Connection Diagram

Display

Control

HDMI

AT-UHD-HDVS-300-RX

AT-HDVS-CAM

USB

HDBaseT

USB

Speakerphone

DisplayPort

USB

HDMI

Laptop

Laptop

Specifications

Video	
HD/SD/VESA (all resolutions are @30/25/20/15/10/5Hz)	1080p, 720p, 1024x768, 1024x576, 960x540, 800x600, 640x360, 720x576, 640x480, 352x288, 320x240, 320x180, 176x144
Optical Zoom	10X, f = 4.7 ~ 47 mm
Viewing Angle	6.43° (telephoto), 60.9° (wide-angle)
Effective Pixels	2.07 MP
Focus Settings	Auto / Manual
AV	F1.6 - F3.0
Minimum Illumination	0.5 lm, F1.8 with Automatic Gain Contol ON
Signal-to-Noise Ratio (SNR)	> 55 dB
Control Protocol	VISCA/Pelco-D/Pelco-P
Pan Rotation	±170°
Tilt Rotation	-30° ~ ±90°
Pan Control Speed	0.1 - 180° / sec
Tilt Control Speed	0.1 - 80° / sec

Temperature	Fahrenheit	Celsius
Operating	14 to 122	-10 to 50
Storage	-14 to 140	-10 to 60
Operating Humidity (RH)	20% to 80%, non-condensing	
Storage Humidity (RH)	20% to 95%, non-condensing	

Power		
Consumption	12 W	
Supply	Input: 110 - 220 V AC, 50/60 Hz Output: 12 V DC, 1 A	

Dimensions	Inches	Millimeters
H x W x D	6.59 x 5.90 x 5.90	167.5 x 150 x 150

Weight	Pounds	Kilograms
Device	3.08	1.4

Certification		
Device	CE, FCC	