AVer **HVC310**
Video conferencing system

The Goldilocks approach: Settle only for "just right"

Don't settle for either garbled web video or complicated $15,000 machines for access to advanced classes, interactive virtual field trips, professional development and more. AVer's "just right" interactive video system gives you the quality you need at a price most budgets can fund.

- **Connect:** Up to four sites or classrooms.
- **Record lessons and trips:** USB flash drives.
- **Compatibility:** Connects with any H.323 video machines.
- **Easy-to-use:** Takes minutes to setup.
- **Easy-to-buy:** Purchase only one SKU with all necessary components.
- **Easy-to-maintain:** 3-year warranty and no service fees.
- **Easy-to-fund:** 1/3 cost of traditional machines.

Why choose the HVC310?

It's not static – it's interactive

If it doesn't feel interactive, you might as well rent a video. The difference between watching a video and experiencing an Interactive Video Conferencing (IVC) event lies in the ability to say hello and hear an answer – through interactive field trips, student collaborations, guest speakers and more.

H.323 - One size fits all

The HVC is built on the H.323 standard and will connect to any other unit that is built on the same standard no matter the brand. Since most content providers and major brands also use the H.323 standard, you never have to worry about connectivity.

Record what you see (and do)

You can record your interactive lessons to a USB flash drive and playback the footage through the unit or any PC. A mischievous owl in action? This you've got to save and share.

3-year warranty

We back the HVC's product quality with the only standard 3-year warranty in the industry (not because we think you will need it, but because we know you won't).

Specifications

Communications
H.323/SIP standards
128Kbps ~ 4Mbps
1xRJ-45 network LAN (10/100Mbps)

Multi-sites Features
H.323 Standard
MCU up to 4 sites (including itself)
Content sharing from any sites

Display
Supports NTSC/PAL/XGA(4:3
RGB)/720p(16:9 RGB) display
Supports single and dual monitor display
Multiple meeting video and content
layout styles
Simple, friendly, and stylish UI with
graphic OSD
Multiple languages OSD
Site-name edit/display

Video Standards
H.264, H.263, H.263+, H.261
H.239 dual video streams

Video Features
Support video resolutions:
- QSIF(176x120)
- QCIF(176x144)
- SIF(352x240)
- CIF(352x288)
- W4CIF (1024x576)
- WCIF (512x288)
High resolution,
- 4SIF(704x480), 4CIF(704x576)
- HD: 720p(1280x720)
Support content sharing from
any site, video resolutions:
- VGA(640x480)
- SVGA(800x600)
- XGA(1024x768)
- SXGA(1280x1024)
Support robust rate control mechanism
Support H.239 dual video stream shared
from local or remote side
Automatic video quality adjustment

Camera
7X Optical zoom PTZ camera
H.281 far end camera control
Resolution up to 5 Mega-pixels
Up to 10 camera preset positions

Video Conferencing Auxiliaries
Meetig Recording Function
- Store meeting record in your USB drive
- Support playback and layout function as
  live meeting
Snapshot function
- With 5M pixel camera, snap-shot image
  and share with meeting members
- Zoom/Pan the captured images

Video Inputs
Composite
S-video
VGA

Video Outputs
HDMI
VGA

Audio Features
Echo cancellation
Auto gain control
Noise suppression
Full duplex
Included 2 directional mics

Audio Standards
G.711, G.722, G.722.1, G.728, G.722.1C

Audio Inputs/Outputs
Input: 3.5mm, mini XLR (ext. mic)
Output: HDMI, 3.5mm

Others
RS-232 interface
H.460 NAT/firewall traversal
H.235 AES security
Remote API
2 USB ports

Package includes:
HVC310 codec
PTZ camera
Included 2 directional mics
Remote control (batteries included)
HDMI cable (3M)
6-pin mini XLR cable (10M)
6-pin mini XLR cable (5M)
26-pin D-Sub camera cable (1.5M)
RJ-45 ethernet cable (3M)
VGA cable (6M)
Power adapter and cable
3.5mm to RCA cable
S-Video to composite converter
3-pin XLR adapter
RS-232 converter
Camera mounting kit

Component Dimensions
HVC codec: 12.5" x 10.2" x 1.4"
Camera: 5.5" x 3.5" x 6.2"
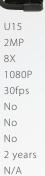Directional mic pod: 4.5" x 4.5" x 0.8"

Comparison chart

Model	U15	CP135	F30	F50	M70	W30	SPB350+
Pixel count	2MP	3.2MP	3.2MP	5MP	5MP	3.2MP	5MP
Total zoom	8X	16X	16X	80X	192X	16X	160X
Output resolution	1080P	720P	720P	1080P	1080P	1080P	1080P
Framerate	30fps	24fps	30fps	30fps	30fps	30fps	30fps
Wireless	No	No	No	No	No	Yes	No
Onboard annotation	No	No	No	Yes	Yes	No	No
1-touch recording	No	No	Yes	Yes	Yes	No	No
Warranty	2 years	5 years	5 years	5 years	5 years	3 years	5 years
Advanced replacement	N/A	5 years	5 years	5 years	5 years	3 years	1 years
MSRP	$199	$499	$599	$699	$799	$799	$999

Model	HVC110	HVC310
Microphone	1 directional	2 directional
Ext mic support	Yes	Yes
Speaker	External	External
Video connectivity	HDMI/VGA	HDMI/VGA
Standard protocols	H.323/SIP	H.323/SIP
Video resolution	720P	720P
Content sharing	Wireless/VGA	Wireless/VGA
RS-232	Yes	Yes
Multi party calls	No	Up to 4
Meeting recording	No	Yes
Snapshot sharing	No	yes
Warranty	3 years	3 years
Advanced replacement	1 year	1 year
MSRP	$2499	$3499

Model	AP20t
Compatibility	Any Mac/PC
Writing surface	Any
Range	50 feet
Optical pen tip	Proprietary sensor
Design	Ambidextrous
Color	Blue and silver
Wireless	2.4 GHz RF
Battery	Lithium ion
Battery life	5 days/charge
Weight	45 grams
Dimensions	151mm x 25mm
Warranty	3 years
Advanced replacement	N/A
MSRP	$129