Tech Spec

ClearSHOT 10 USB

Enterprise-Class, High Definition, Wide-Angle USB 3.0 PTZ Conferencing Camera

Silver/black: 999-9990-000 (North America), 999-9990-001 (international)
White: 999-9990-000W (North America), 999-9990-001W (international)

Features

- Ideal for huddle rooms and small to medium conference rooms in corporate, healthcare, government, and education environments
- Simultaneous uncompressed USB 3.0 and IP (H.264) streaming outputs
- 10X optical zoom, horizontal field of view of 74° in super-wide mode
- 2.14 Megapixel (effective), full HD (native 1080p/60) image sensor
- Precise pan and tilt movements at up to 90° per second
- Presenter-friendly IR remote control
- Universal Video Class (UVC) drivers supported in Windows®, Mac® OS, and Linux operating systems – compatible with most UC conferencing applications
- Full administrative control from your browser via web interface
- Integration-ready Telnet or serial RS-232 control

Back of the Camera

From left to right:

- **12 VDC, 3.0 Amp power connector** – Connect only the power supply shipped with the camera
- **USB 3.0 video device connector** for streaming uncompressed UVC standard video
- **Ethernet RJ-45** for IP streaming, access to web interface and Telnet for camera control
- **RS-232 port** on shielded RJ-45 connector for legacy controllers
- **DIP switches** to set IR frequency, IR on/off, and image flip (camera is invertible)

What's Included

Each ClearSHOT 10 USB camera is shipped with these items:

- Vaddio IR Remote Commander
- 12 VDC, 3.0 A switching power supply and AC cord set (s)
- Thin Profile Wall Mount with mounting hardware
- EZCamera™ control adapter
- USB 3.0 type A to type B cable, 6 ft. (1.8m)
- Quick Start Guide

Basic Connection Diagram

Specifications

Video and Image

Outputs/protocols	IP H.264, RTSP USB 3.0, UVC, YUY2	Aspect ratio	Depends on video resolution
IP video resolutions/frame rates	1080p/30/25/15 720p/60/30/25/15 704x576p/60/30/25/15 720x480p/60/30/25/15 640x480p/60/30/25/15 360p/60/30/25/15 352x288p/60/30/25/15	USB 3.0 video resolutions/frame rates	1080p/30/15 720p/60/30/15
		USB 2.0 and 3.0 video resolutions/frame rates All USB resolutions uncompressed	960x540p/30/15 848x480p/30/15 360p/60/30/15 424x240p/30/15 320x240p/30/15 180p/30/15
Streaming	IP (H.264), RTSP + USB 3.0 (UVC) IP and USB streams are simultaneous and can be at differing resolutions.		

Camera

Image device	1/2.8-Type Exmor CMOS sensor		
Pan angle and speed	± 170°, up to 90°/sec	Tilt angle and speed	+90° -30°, up to 90°/sec
Lens and horizontal FOV	10X Optical zoom, 67.0° wide to 7.6° tele, f=3.8mm to 38mm, F1.8 to F3.4 Super-wide: 11X Optical zoom, 74° wide to 7.6° tele, f=3.8mm to 41.8mm, F1.8 to F3.4		
Minimum working distance	10mm (wide), 1.0m (tele)	Minimum illumination	Recommended: >100 lux
Pixels	2.14 million (effective)	Aperture/detail	16 steps (via all remote management interfaces)
Gain	Auto or manual		
Backlight compensation	On or off	White balance	Auto, manual, One-Push
Focusing system	Auto or manual	Noise reduction	On or off
Sync system	Internal	S/N ratio	Over 50 dB
Power	12 VDC, 3.0 Amp switching power supply		
Remote management	Web interface (Chrome, Firefox, Safari, Internet Explorer 8 through 11), Telnet, RS-232 API (modified VISCA)		

Physical and Environmental

Height	6.3" (163mm)	Operating temperature	0°C to +40°C (32°F to 104°F)
Width	6.1" (155mm)	Operating humidity	20% to 80% RH
Depth	5.5" (145mm)	Storage temperature	-5°C to +60° C (23°F to 140°F)
Weight	3.0 lbs.(1.36 kg)	Storage humidity	20% to 80% RH

Specifications are subject to change without notice.