

# ZoomSHOT™ 20

## Vaddio™ ZoomSHOT 20 Camera Systems

### High Definition Point of View Camera with 20X Optical Zoom Lens

#### OVERVIEW

The Vaddio ZoomSHOT 20 HD camera produces amazing results for small, medium and even large room applications. Anywhere that a Point-of-View or stationary camera can be used alone or in conjunction with a Vaddio PTZ camera to simplify camera coverage and preset positioning, the ZoomSHOT 20 is the answer.

The ZoomSHOT 20 is basically an inexpensive pan/tilt/zoom camera, where the pan and tilt are adjusted manually. This camera is also a native 1080p/60 resolution camera using the latest 1/2.8-Type Exmor® high-speed, low noise CMOS image sensor technology with 2.38 M total pixels and 2.14M effective pixels providing drop frame and non-drop frame resolutions of 1080p/60/59.94/50/30/25, 1080i/60/59.94/50 and 720p/60/59.94/50.

The advanced ISP (image signal processor) is pretty cool too, providing for fast, razor-sharp auto-focus routines with vivid colors, realistic textures and incredible detail. This ISP combined with the Exmor image sensor achieves an impressive low-light performance of 0.3 Lux (color) and 0.03 Lux (B/W).

The ZoomSHOT 20 can be used stand-alone with the Vaddio AV Bridge MATRIX PRO (with built-in Quick-Connect Interfaces) or with one of four Quick-Connect Interface options. The Quick-Connect USB (USB 2.0 or IP-H.264 streaming with simultaneous HDMI and YPbPr outputs), Quick-Connect DVI/HDMI-SR (HDMI or DVI-D and YPbPr outs), Quick-Connect SR (YPbPr out) and the Quick-Connect USB Mini (USB 2.0 streaming) all extend video, power and control signals of the ZoomSHOT 20 over two (2) Cat-5/5e/6 cables up to a distance of 150' (45.72m) using HSDS™ (high speed differential signaling).

Choose between three (3) IR frequencies for the Vaddio IR SHOT Commander Remote to control multiple room cameras with a single IR remote control. The ZoomSHOT 20 also has an imbedded OSD (on screen display) for easy set-up and basic image control that's accessible with the IR remote.

The ZoomSHOT 20 is an exceptional value and a versatile camera for even the most demanding HD, point of view video applications. It is at home in small, medium and large rooms supporting applications including House of Worship, PRO A/V system integration, distance learning classrooms, live events, IMAG systems, UCC applications, videoconferencing, distance learning and lecture capture. To top it all off, the ZoomSHOT 20 camera is made in USA at Vaddio headquarters in the greater Minneapolis, Minnesota area.



Image: ZoomSHOT 20 HD POV Camera

## ZOOMSHOT 20 CAMERA SYSTEMS

#### ZoomSHOT 20:

(Stand-alone camera, Quick-Connect not included)

**PN: 999-6920-000 (NA), 999-6920-001 (Int'l)**

For use with AV Bridge MATRIX PRO with three built-in Quick-Connect Interfaces. System includes ZoomSHOT 20 Camera, Thin Profile Wall Mount and IR SHOT Commander Remote.

#### ZoomSHOT 20 QUSB:



**PN: 999-6920-100 (NA), 999-6920-101 (Int'l)**

Includes ZoomSHOT 20 Camera, Thin Profile Wall Mount, IR SHOT Commander Remote, Quick-Connect USB Interface, USB 2.0 Cable, Control Adapter and 24 VDC, 2.08 Amp Power Supply with AC Cord Set.

#### ZoomSHOT 20 QDVI:



**PN: 999-6920-200 (NA), 999-6920-201 (Int'l)**

Includes ZoomSHOT 20 Camera, Thin Profile Wall Mount, IR SHOT Commander Remote, Quick-Connect DVI/HDMI-SR Interface, Control Adapter and 24 VDC, 2.08 Amp Power Supply with AC Cord Set.

#### ZoomSHOT 20 QSR:



**PN: 999-6920-300 (NA), 999-6920-301 (Int'l)**

Includes ZoomSHOT 20 Camera, Thin Profile Wall Mount, IR SHOT Commander Remote, Quick-Connect SR Interface, Control Adapter and 24 VDC, 2.08 Amp Power Supply with AC Cord Set.

#### ZoomSHOT 20 QMini:



**PN: 999-6920-400 (NA), 999-6920-401 (Int'l)**

Includes ZoomSHOT 20 Camera, Thin Profile Wall Mount, IR SHOT Commander Remote, Quick-Connect USB Mini Interface, USB 2.0 Cable, Control Adapter and 24 VDC, 2.08 Amp Power Supply with AC Cord Set.



# ZOOMSHOT 20 IMAGES



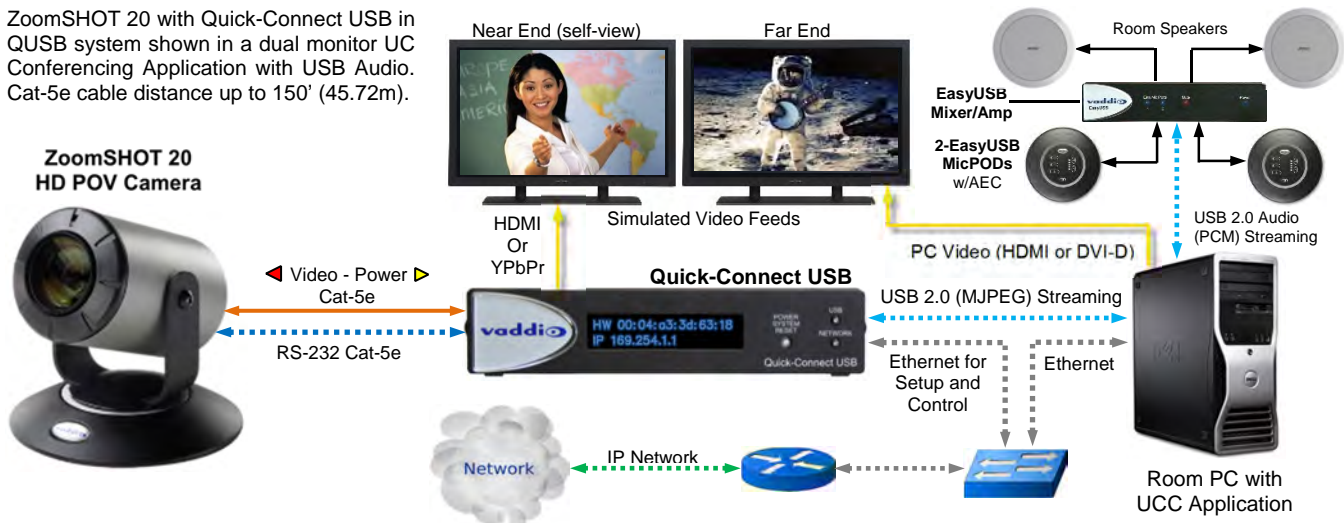
## ZoomSHOT 20 Rear Panel Connections and Controls

- 1 RS-232 RJ-45 Port: For Cat-5 connection to the Quick-Connect Interface for control of the camera. This RJ-45 is color-coded blue.
- 2 6-Position Dip Switch: Settings include choice of three IR Frequencies, IR Off and Image Flip.
- 3 EZ-POWER Video RJ-45 Port: Supplies power to the camera, returns differential video and bidirectional RS-232 control. This RJ-45 is color coded orange.
- 4 Resolution Select Rotary Switch: Provides choice of camera resolutions including 1080p/60/59.94/50/30/25, 1080i/60/59.94/50 and 720p/60/59.94/50.



## ZoomSHOT 20 QUSB SYSTEM CONFIGURATION EXAMPLE

ZoomSHOT 20 with Quick-Connect USB in QUSB system shown in a dual monitor UC Conferencing Application with USB Audio. Cat-5e cable distance up to 150' (45.72m).



## ZOOMSHOT 20 SPECIFICATIONS

Image Sensor	1/2.8-Type Exmor, high-speed, low-noise CMOS Image Sensor with, 2.38 Megapixels (2.14M effective).
Zoom Lens	20X Optical Zoom Lens
Field of View	Horizontal: 63° Wide End to 3.47° Tele End, Vertical: 36.8° Wide End to 1.85° Tele End (16:9 Aspect Ratio)
Lens Focal Length	f=4.44mm to 89mm, F1.6 - F3.4
Minimum Illumination	Color: 0.3 Lux (F1.6, 1/30 sec, 50 IRE), B/W: 0.03 Lux (F1.6, 1/30 sec, 50 IRE)
Video Resolutions	HD: 1080p/60/59.94/50/30/25, 1080i/60/59.94/50 and 720p/60/59.94/50, HD Only (Native 1080p/60)
Video Output Formats	HSDS Transmitted back to Quick-Connect. Outputs are dependent on the Quick-Connect chosen
Quick-Connect Interfaces and Video Outputs	Quick-Connect USB: USB 2.0 (MJPEG) or IP (H.264) Streaming, HDMI and YPbPr Video Outputs Quick-Connect DVI/HDMI-SR: HDMI or DVI-D and YPbPr Video Outputs Quick-Connect SR: Analog YPbPr Video Output Only Quick-Connect USB Mini: USB 2.0 (MJPEG) Streaming Only
Signal to Noise Ratio	Greater than 50 dB (AGC: Off)
Pan Range	Pan: Unlimited, Tilt: +30° to -30°
Preset Positions	16 (internal), 6 recalled via IR Remote
Control Methods	RS-232, IR SHOT Commander Remote and OSD (on screen display)
HD Video Select	16-Position Rotary Switch: Used to set HD Video Resolution Output of the Camera. Supported Resolutions: 1080p/60/59.94/50/30/25, 1080i/60/59.94/50 and 720p/60/59.94/50.
Camera Settings	6-Position Dip Switch: Settings for IR Select and Off, and Image Flip
Dimensions/Weight	Camera Tube: 3" (76.2mm) Diameter x 4.75" (120.65mm) Long, Base: 5.5" (139.7mm) Diameter, Height: 5.5" (139.7mm), Weight: 2.75643 lbs. (1.68kg)

Learn more about our cameras, audio devices and controllers at 800-572-2011 or vaddio.com



©2015 Vaddio - All Rights Reserved. Reproduction in whole or part without written permission is prohibited. Specifications and pricing are subject to change without prior notice or obligation. Vaddio, ZoomSHOT, HSDS, and Quick-Connect are trademarks of Vaddio. All other trademarks are the property of their respective owners. Preliminary Document 00031815-2, SD: 68903.2

