

## A & E Specification

### ConferenceSHOT 10

#### *Enterprise-Class PTZ Conferencing Camera*

Silver/black: 999-9990-000 (North America), 999-9990-001 (Europe and UK), 999-9990-009 (Australia and New Zealand)

White: 999-9990-000W (North America), 999-9990-001W (Europe and UK), 999-9990-009W (Australia and New Zealand)



### Description

The camera shall be designed for UC conferencing use in small to medium conference rooms in corporate, healthcare, government, and education environments, and other applications.

The camera shall provide simultaneous IP (H.264) and uncompressed USB 3.0 streaming outputs. IP streaming video resolution shall be configurable. USB output shall use Universal Video Class (UVC) drivers supported in Windows®, Mac® OS, and Linux operating systems for compatibility with most UC conferencing applications. USB streaming resolution shall be auto-negotiated between the camera and the UC conferencing application. USB and IP streams may be at differing resolutions.

The camera shall be compatible with Vaddio camera controllers, mixers, and other equipment.

The camera optics shall feature an optical zoom lens (11X in Super-Wide mode and 10X in normal mode) and 2.14 Megapixel, full HD (native 1080p/60) image sensor.

The camera body shall incorporate an indicator to show camera status.

The camera shall have IR sensors built into the front, to receive IR signals from a handheld remote control. The remote shall be included with the camera.

The camera shall use a single control arm anchored with brushless DC direct drive motors for accurate and fast camera positioning and slow crawls suitable for on-air use.

A wall mount shall be provided with the camera.

### Configuration and Control

It shall be possible to control the camera using a handheld IR remote control, a browser-based graphical user interface, or via command line using Telnet or a serial RS-232 connection.

It shall be possible to use the remote to control up to three cameras.

The web-based graphical user interface shall provide full operational and administrative control of the camera. It shall be accessed through commonly used web browsers including the current and next most recent versions of Chrome®, Firefox®, Safari®, Internet Explorer®, and Microsoft® Edge.

The camera shall provide a command line API that can be accessed via RS-232 or Telnet session.

### Installation Requirements

The camera shall be designed to attach to a wall or ceiling mount in an indoor environment.

The camera shall support inverted operation with image flip and inversion of pan and tilt controls.

The camera shall use standard Cat-5e/Cat-6/Cat-7 cables made to the EIA/TIA 568B standard for network and RS-232 serial connections. Maximum cable length for Cat-5e cables shall be 328 ft (100m).

## Specifications

### Camera and Image

<b>Image device</b>	1/2.8-type Exmor CMOS sensor	<b>Pixels</b>	2.14 million (effective)
<b>IP (H.264) RTSP Video Resolutions</b>	1080p down to 180p 1080p at 30/25/15; others 60/30/25/15	<b>USB 3.0 (UVC) Video Resolutions</b>	1080p down to 180p at 60/30/15
<i>IP and USB streams are simultaneous and can be at differing resolutions.</i>			
<b>Pan angle and speed</b>	± 165°, up to 90°/sec	<b>Tilt angle and speed</b>	+90° -30°, up to 90°/sec
<b>Lens and horizontal FOV</b>	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		
<b>Min. working distance</b>	10mm (wide), 1.0m (tele)	<b>Min. illumination</b>	100+ lux recommended
<b>Aperture/detail</b>	16 steps	<b>Gain</b>	Auto or manual
<b>Backlight compensation</b>	On or off	<b>White balance</b>	Auto, manual, One-Push
<b>Focusing system</b>	Auto or manual	<b>Noise reduction</b>	On or off
<b>Sync system</b>	Internal	<b>S/N ratio</b>	Over 50 dB
<b>Remote management</b>	Web interface, Telnet, RS-232	<b>Power</b>	12 VDC, 3.0 A

### Physical and Environmental

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

Specifications are subject to change without notice.