A & E Specification

ConferenceSHOT AV

Enterprise-Class Conferencing System

Silver/black: 999-9995-x00 (North America), 999-9995-x01 (Europe and UK), 999-9995-x09 (Australia and New Zealand)
White: 999-9995-x00W (North America), 999-9995-x01W (Europe and UK), 999-9995-x09W (Australia and New Zealand)

Description

The system 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) and Universal Audio Class (UAC) 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 designed to connect to a speaker and Vaddio EasyMIC microphones. A 10-watt powered speaker designed for use with the camera shall be available. A camera mount designed to accommodate the camera and speaker shall be available.

The system 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.

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 Telnet command line.

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 Telnet session.

Installation Requirements

The camera and speaker shall be designed to attach to a wall mount in an indoor environment. The camera shall be usable with or without the speaker.

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

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

Specifications

Camera and Image

Image device	1/2.8-type Exmor CMOS sensor	**Pixels**	2.14 million (effective)
IP (H.264) RTSP Video Resolutions	1080p down to 180p 1080p at 30/25/15; others 60/30/25/15	**USB 3.0 (UVC) Video Resolutions**	1080p down to 180p at 60/30/15
IP and USB streams are simultaneous and can be at differing resolutions.			
Pan angle and speed	± 165°, 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		
Min. working distance	10mm (wide), 1.0m (tele)	**Min. illumination**	100+ lux recommended
Aperture/detail	16 steps	**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
Remote management	Web interface, Telnet	**Power**	PoE+ (25 watts)

Audio

EasyMIC Inputs (2 channels available)	RJ-45 12V, bidirectional, balanced	**Line Out**	4-pin Phoenix type terminal block Impedance: 50 ohms Frequency response 20Hz - 20KHz THD + noise < 0.02% Maximum output level +12 dBu differential audio Power to speaker: 12V, 0.84A max (10 watt speaker)
IP Streaming	1 Channel (PCM), 16-bit resolution, 48 KHz sample rate		
USB streaming (record, playback)	2 Channel (UAC), 16-bit resolution, 48 KHz sample rate		

Physical and Environmental

Height	Camera: 6.3” (163 mm) Speaker: 3.63" (92 mm)	**Operating temperature**	0°C to +40°C (32°F to 104°F)
Width	Camera: 6.1” (155 mm) Speaker: 7.25" (184 mm)	**Operating humidity (relative)**	20% to 80% non-condensing
Depth	Camera: 5.5” (145 mm) Speaker: 6.75" (171 mm)	**Storage temperature**	-5°C to +60° C (23°F to 140°F)
Weight	Camera: 3.0 lbs.(1.36 kg) Speaker: 1.6 lbs. (0.72 kg)	**Storage humidity (relative)**	20% to 80% non-condensing

Specifications are subject to change without notice.