A & E Specification

RoboSHOT 30 HDBT

High-Performance PTZ Camera

North America: 999-9963-000 (black), 999-9963-000W (white)
Europe and UK: 999-9963-001 (black), 999-9963-001W (white)
Australia and New Zealand: 999-9963-009 (black), 999-9963-009W (white)

Description

The camera shall be designed for use in medium to large venues such as houses of worship, auditoriums, lecture theaters, and IMAG systems. It shall provide enterprise-class features including IP streaming and network control via web interface. It shall also support remote automation via Telnet or RS-232 command line API.

The camera optics shall feature a 30x optical zoom lens. The camera shall use a 1/2.8-type, high-speed, low noise, backlit CMOS image sensor with 2.38 total megapixels (2.14 megapixels effective).

The camera shall provide HDMI® output plus IP (H.264) streaming.

The camera shall use silent, brushless DC direct drive motors for accurate camera positioning and smooth motion, providing pan and tilt speeds from 0.35° to 120° per second.

The camera body shall incorporate an indicator to show camera status and IR sensors built into the front, to receive IR signals from a handheld IR remote control.

The camera shall be designed for use with the Vaddio OneLINK HDMI camera extension module for HDBaseT cameras, and shall be compatible with Vaddio camera controllers, mixers, and other equipment.

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.

A handheld IR remote control shall be included with the camera. It shall be possible to use the remote to control up to three cameras.

The web-based graphical user interface shall provide full physical 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®, and Internet Explorer®.

Installation Requirements

Maximum cable length for Cat-5e cables shall be 328 ft (100m). The camera shall be designed for use with a Vaddio OneLINK HDMI camera extension module, which allows an additional 328 ft (100 m) cable length.

The camera shall be designed to attach to a wall or ceiling mount in an indoor environment. A wall mounting shelf shall be provided with the camera.

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 for network and control connections.

Specifications

Camera and image

Image device	RoboSHOT 12 HDBT: 1/2.8-Type Exmor® CMOS sensor
	RoboSHOT 30 HDBT: 1/2.8-Type Exmor R™ backlit CMOS sensor
Pixels	2.14 million (effective), 2.38 million (total)
Pan and tilt	Pan ± 160°, tilt +90° -30°; pan and tilt speed 0.35°/sec to 120°/sec
Lens and horizontal FOV	RoboSHOT 12 HDBT Normal (default): 10X optical zoom, 67.3° (wide) to 7.6° (tele), f=3.8mm to 38.0mm, F1.8 to F3.4 Super Wide: 12X optical zoom, 73.0° (wide) to 6.6° (tele), f=3.91mm to 47.0mm, F1.8 to F3.4 RoboSHOT 30 HDBT 30X optical zoom, 65° (wide) to 2.3° (tele), F1.6 to F4.7
Min. working distance	RoboSHOT 12 HDBT: 10mm (wide), 0.8m (tele) RoboSHOT 30 HDBT: 10mm (wide), 1.2m (tele)

Min. illumination	Recommended: 100+ lux	**Gain**	Auto / Manual (28 steps)
Backlight compensation	On/off	**Aperture/detail**	16 steps
Focusing system	Auto Focus / Manual Focus Mode / One Push Trigger Mode / Infinity Mode / Near Limit Mode		
White balance	Auto, ATW, Indoor, Outdoor, One-push, Manual		
Sync system	Internal	**S/N ratio**	More than 50 dB
Noise reduction	On/Off, 6 Steps	**Power**	12 VDC, 3.0 A or PoE+
Remote management	IR Remote Commander, web interface, Telnet and RS-232 command APIs		

Physical and Environmental

Height	6.9 in. (176 mm)	**Weight**	4.85 lbs.(2.2 kg)
Width	7.1 in. (179 mm)	**Operating/storage temperature**	0°C to +40°C (32°F to 104°F)
Depth	6.8 in. (172 mm)	**Operating/storage humidity**	20% to 80% RH, non-condensing

Specifications are subject to change without notice.