

## Tech Spec

### RoboSHOT 12 HDBT and RoboSHOT 30 HDBT

#### High-Performance PTZ Cameras

**RoboSHOT™ 12 HDBT:** 999-9960-000 (North America),  
999-9960-001 (Europe/UK), 999-9960-009 (Australia/New Zealand)

**RoboSHOT 30 HDBT, black:** 999-9963-000 (North America),  
999-9963-001 (Europe/UK), 999-9963-009 (Australia/New Zealand)

**RoboSHOT 30 HDBT, white:** 999-9963-000W (North America),  
999-9963-001W (Europe/UK), 999-9963-009W (Australia/New Zealand)

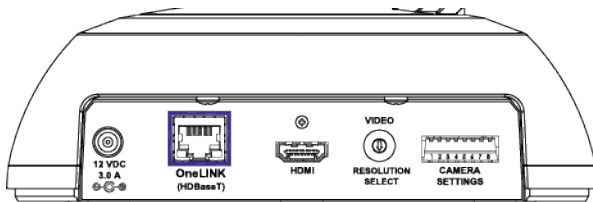


## Camera Features

- RoboSHOT 12 HDBT: Exmor® 1/2.8 type, high-speed, low-noise image sensor; 12X optical zoom; 73° horizontal field of view in wide mode – perfect for small to medium rooms
- RoboSHOT 30 HDBT: Exmor R™ back-lit 1/2.8 type, high-speed, low-noise image sensor; 30X optical zoom; 65° horizontal field of view for medium to large venues – houses of worship, lecture theaters, IMAG systems
- 2.38 megapixels total, full HD (native 1080p/60)
- Improved color mapping for true, vivid color
- IP H.264 streaming – view real-time video from the camera using any standards-based media viewer
- Tri-Synchronous Motion™ simultaneous 3-axis pan/tilt/zoom movement between presets
- Smooth, silent direct-drive motors – ultra-accurate positioning, from 120° per second down to 0.35° per second
- Designed for use with the Vaddio OneLINK™ HDMI extension module for HDBaseT Cameras
- Web interface for remote administration and operation, integration-ready Telnet or RS-232 control, presenter-friendly IR remote control

## Back of the Camera

Rear panel connections are identical for both models.



From left to right:

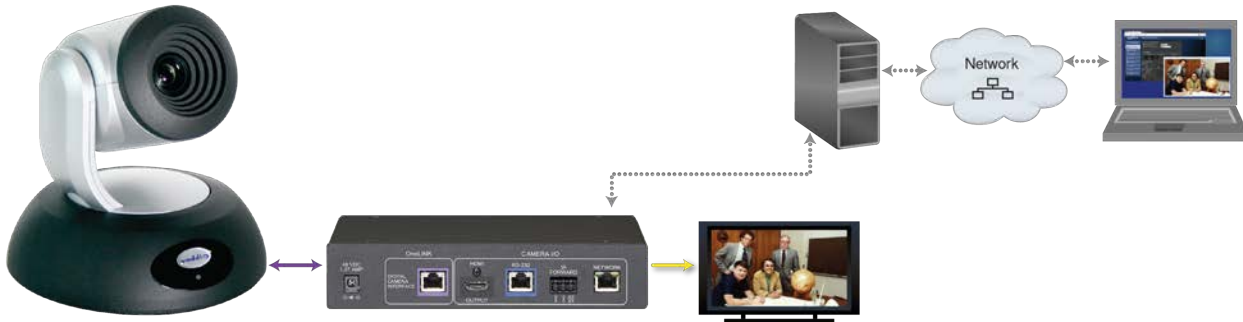
- **Power connector:** If not using a OneLINK HDMI extension module, use the 12 VDC, 3.0 A power supply shipped with the camera.
- **OneLINK HDBaseT/Network RJ-45 connector:** If not using a OneLINK HDMI extension module, connect to the network.
- **HDMI connector:** HDMI video output; connect to a display if not using a OneLINK HDMI extension module.
- **Video Resolution Select switch:** Select the video output resolution.
- **Camera Settings DIP switches:** Settings for IR remote frequency, baud rate and image flip.

## What's Included

Each RoboSHOT HDBT camera is shipped with these items:

- Vaddio IR Remote Commander
- Thin profile wall mount with mounting hardware
- 12 VDC, 3.0 amp switching power supply and AC cord set(s)
- Quick-Start Guide

## Basic Connection Diagram



The OneLINK™ HDMI extension module is not required; the camera can be connected directly to the network.

## Specifications

### Camera and image

<b>Image device</b>	RoboSHOT 12 HDBT: 1/2.8-Type Exmor® CMOS sensor RoboSHOT 30 HDBT: 1/2.8-Type Exmor R™ backlit CMOS sensor		
<b>Pixels</b>	2.14 million (effective), 2.38 million (total)		
<b>Pan and tilt</b>	Pan ± 160°, tilt +90° -30°; pan and tilt speed 0.35°/sec to 120°/sec		
<b>Lens and horizontal FOV</b>	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		
<b>Min. working distance</b>	RoboSHOT 12 HDBT: 10mm (wide), 0.8m (tele) RoboSHOT 30 HDBT: 10mm (wide), 1.2m (tele)		
<b>Min. illumination</b>	Recommended: 100+ lux	<b>Gain</b>	Auto / Manual (28 steps)
<b>Backlight compensation</b>	On/off	<b>Aperture/detail</b>	16 steps
<b>Focusing system</b>	Auto Focus / Manual Focus Mode / One Push Trigger Mode / Infinity Mode / Near Limit Mode		
<b>White balance</b>	Auto, ATW, Indoor, Outdoor, One-push, Manual		
<b>Sync system</b>	Internal	<b>S/N ratio</b>	More than 50 dB
<b>Noise reduction</b>	On/Off, 6 Steps	<b>Power</b>	12 VDC, 3.0 A or PoE+
<b>Remote management</b>	IR Remote Commander, web interface, Telnet and RS-232 command APIs		

### Physical and Environmental

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

Specifications are subject to change without notice.