

## VADDIO™ / CANON® BU-SERIES PTZ CAMERA BUNDLES

**Canon BU-47H Outdoor PTZ Camera Bundle 999-4147-000/001**

**Canon BU-51H Indoor PTZ Camera Bundle 999-4151-000/001**

The Vaddio/Canon BU-Series PTZ Camera Bundles are built around broadcast-quality camera/lens high definition pan/tilt/zoom camera systems. These BU-Series cameras are an ideal choice for a wide range of high definition video applications.

When used with the supplied adapter systems, the cameras can be used in conjunction with either the Vaddio ProductionVIEW HD-SDI switcher or Precision Camera Controller. ProductionVIEW HD-SDI is a seamless HD/SD-SDI video switcher, with built-in joystick and preset/iris/focus camera control. Precision Camera Controller is a stand-alone joystick & preset camera controller, that allows the user to adjust color, pedestal, gain and iris functions on the cameras that are connected (see Figure 2).

Overall, the BU-Series PTZ cameras are superb for a wide range of high definition shooting applications, such as houses of worship, corporate boardrooms, live event production and distance-learning applications.



**Figure 1:**  
Canon BU-47H Outdoor PTZ Camera (top)  
and Canon BU-51H Indoor Camera (right)

### WHAT'S INCLUDED

#### Vaddio/Canon BU-47H PTZ Camera Bundle

- Canon BU-47H Outdoor High Definition PTZ Camera with three 1/3" 2.37 megapixel CCD sensors with 18x zoom lens
- RS-232 to RS-422 Adapter Kit
- EZCamera Control Adapters (RJ-45 to DB-9)
- 12VDC, 10A PowerRite™ Power Supply
- AC Cord Set for PowerRite Power Supply

#### Vaddio/Canon BU-51H PTZ Camera Bundle

- Canon BU-51H Indoor High Definition PTZ Camera with three 1/3" 1.67 megapixel CCD sensors with 20x zoom lens
- EZCamera Control Adapter (RJ-45 to DB-9)
- AC Cord Set

### TECHNICAL FEATURES

#### 18x and 20x Lens with Image Stabilization

The camera incorporates a Canon broadcast quality, 18x (7.4mm to 134mm) or 20x (4.5mm to 90mm) optical zoom lens with an auto focus function. In addition, an optical Image Stabilizing System is provided for exceptional HD video.

#### CCD Megapixel Sensors

Each camera includes three CCDs for excellent low-light capability and exceptional video quality. The BU-47H utilizes new 2.37 Megapixel image sensors, while the BU-51H uses 1.67 Megapixel image sensors, both offering broadcast quality video requirements.

#### Gen Lock

The BU-Series cameras have a Gen Lock port for connecting the camera to broadcast video switchers.

#### Simultaneous SD Output

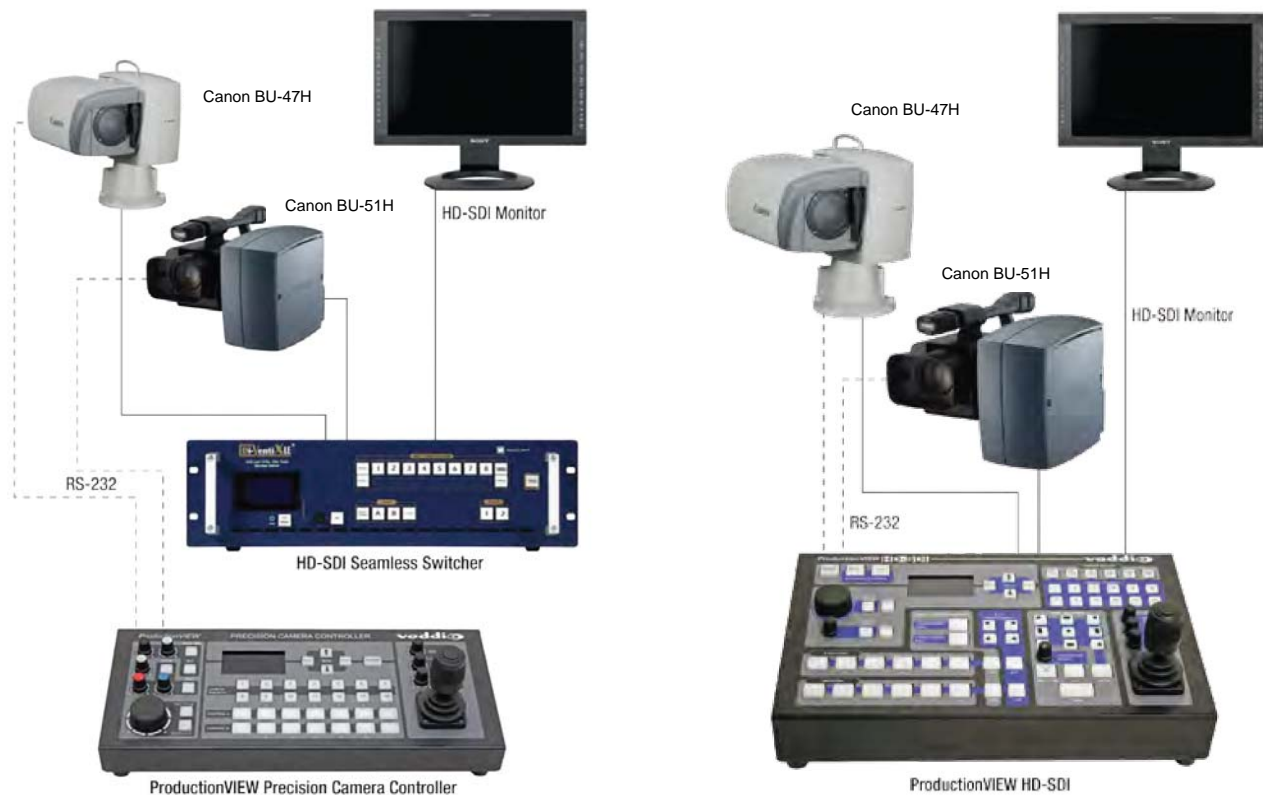
In addition to the HD-SDI output, both cameras offer an analog SD composite output, allowing the user to send the SD signal to a low-cost monitor.

#### Vaddio Compatibility

Both cameras are compatible with the Vaddio ProductionVIEW HD-SDI switcher and the Precision Camera Controller. Both Vaddio systems provide joystick control of the PTZ cameras, as well as focus and iris. Precision Camera Controller also allows the user to control red & blue gain as well as pedestal for easy color matching in multi-camera installations.

## SYSTEM CONNECTIVITY

**Figure 2:** Basic connectivity of the BU-Series cameras with Precision Camera Controller and 3<sup>rd</sup> Party Switcher (left) and with ProductionVIEW HD-SDI (right).



## TECHNICAL SPECIFICATIONS

Vaddio/Canon BU-Series HD PTZ Cameras	
<b>BU-47 Part Numbers</b>	Vaddio/Canon BU-47H Outdoor PTZ Camera Bundle 999-4147-000 (NTSC) North America Vaddio/Canon BU-47H Outdoor PTZ Camera Bundle 999-4147-001 (PAL) Int'l
<b>BU-51 Part Numbers</b>	Vaddio/Canon BU-51H Indoor PTZ Camera Bundle 999-4151-000 (NTSC) North America Vaddio/Canon BU-51H Indoor PTZ Camera Bundle 999-4151-001 (PAL) Int'l
<ul style="list-style-type: none"> <li><b>Camera Specifications</b></li> </ul>	
<b>Image Device</b>	1/3" HD x 3 CCD
<b>Total Picture Elements</b>	BU-47H = 2.37 Megapixel each sensor, BU-51H = 1.67 Megapixel each Sensor
<b>Signal System BU-47H</b>	HD-SDI 1080/59.94i/50i, 4:2:2, SD Composite
<b>Signal System BU-51H</b>	HD-SDI 1080/59.94i/50i, 4:2:0, HD Analog Component, SD Composite
<b>BU-47H Lens</b>	18x Optical Zoom (2X digital extender)
<b>BU-51H Lens</b>	20x Optical Zoom (with 2X digital extender and night mode)
<b>BU-47H Focal Length</b>	f= 7.4 to 134mm
<b>BU-51H Focal Length</b>	f= 4.5 to 90mm
<b>Horizontal Viewing Angle</b>	3.81 to 67.3 degrees
<ul style="list-style-type: none"> <li><b>Pan/Tilt Mechanism</b></li> </ul>	
<b>Power</b>	BU-47H: 12 VDC BU-51H: 100 – 240VAC
<b>Pan/Tilt Angle</b>	BU-47H: -170 to +170 degrees (Pan), -50 to +30 degrees (Tilt) BU-51H: -150 to +150 degrees (Pan), -40 to +40 degrees (Tilt)
<b>Control Protocol</b>	BU-47H: RS-422 BU-51H: RS-232
<b>Weight</b>	BU-47H: Approx. 37.4 lbs. (17kg) BU-51H: Approx. 24.2 lbs. (11kg)