

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 3rd Party Switcher (left) and with ProductionVIEW HD-SDI (right).



TECHNICAL SPECIFICATIONS

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