

# CANON XU-81 REMOTE CONTROL PTZ CAMERAS

- **XU-81W Remote Control PTZ Camera with Wiper and Remote Controlled ND Filter**

PN: 999-4180-000W (North America) & 999-4181-001W (Int'l)

- **XU-81 Remote PTZ Camera**

PN: 999-4180-000 (North America) & 999-4181-001(Int'l)



XU-81W



XU-81

## What's included with the Canon XU-81W with Remote Controlled Wiper and ND Filter

### Canon XU-81W - North America

#### Part Number: 999-4180-000W

- One (1) Canon XU-81W Camera
- One (1) Rear Panel Connector Boot
- One (1) 12VDC 3.0A Power Supply
- One (1) North American Power Cable
- One (1) Control Adapter
- One (1) Canon Operation Manual and Installation Manual
- One (1) Vaddio™ Quick-Start Guide

### Canon XU-81W - International

#### Part Number: 999-4180-001W

- One (1) Canon XU-81W Camera
- One (1) Rear Panel Connector Boot
- One (1) 12VDC 3.0A Power Supply
- One (1) Euro Power Cord
- One (1) UK Power Cord
- One (1) Control Adapter
- One (1) Canon Operation Manual and Installation Manual
- One (1) Vaddio Quick-Start Guide

## What's included with the Canon XU-80 Remote PTZ Camera (no wiper)

### Canon XU-81 - North America

#### Part Number: 999-4181-000

- One (1) Canon XU-81 Camera
- One (1) Rear Panel Connector Boot
- One (1) 12VDC 3.0A Power Supply
- One (1) North American Power Cable
- One (1) Control Adapter
- One (1) Canon Operation Manual and Installation Manual
- One (1) Vaddio Quick-Start Guide

### Canon XU-81 - International

#### Part Number: 999-4181-001

- One (1) Canon XU-81 Camera
- One (1) Rear Panel Connector Boot
- One (1) 12VDC 3.0A Power Supply
- One (1) Euro Power Cord
- One (1) 6' UK Power Cord
- One (1) Control Adapter
- One (1) Canon Operation Manual and Installation Manual
- One (1) Vaddio Quick-Start Guide

### Overview

The XU-81 has a single 1/3-inch CMOS imaging sensor with 2.1 Megapixels. Using a Canon 20x HD Zoom Lens, it captures exceptional, high-quality images in full-HD format. Dynamic Range Compensation allows for shooting in environments with a high contrast of light and shade. The XU-81 incorporates high operability optimized for broadcast applications. The camera head pans and tilts very smoothly while simultaneously zooming, allowing for on-air movements similar to manually-operated cameras. The XU-81 has an HD-SDI output, the standard in the broadcast market, which enables it to provide high-quality video at distances up to 100m (328.084123').

Both the XU-81W and the XU-81 are dustproof and waterproof with an IP55 enclosure rating. Both cameras support upright or inverted mounting and the picture will automatically flip when the tilt angle reaches 90 degrees. The user can select between 1080i and 720p output modes as well as switch between RS-422 and RS-232 for control.

### INTENDED USE

Before installing the Camera, please read the manuals thoroughly. Use only the Vaddio power supply provided with the XU-81 or XU-81W. Use of any unauthorized power supply will void any and all warranties.

### IMPORTANT SAFEGUARDS

Read and understand all instructions before using. Do not operate any electrical device if it has been dropped or damaged. In this case, a Vaddio technician must examine the product before operating. To reduce the risk of electric shock, do not immerse in water or other liquids and avoid extremely humid conditions.



Please do not use "pass-thru" type RJ-45 connectors. These pass-thru type connectors do not work well for professional installations and can be the cause of intermittent connections which can result in the RS-232 control line failing and locking up, and/or compromising the HSDS™ differential video. For best results please use standard RJ-45 connectors and test all cables for proper pin-out prior to termination.

**SAVE THESE INSTRUCTIONS**

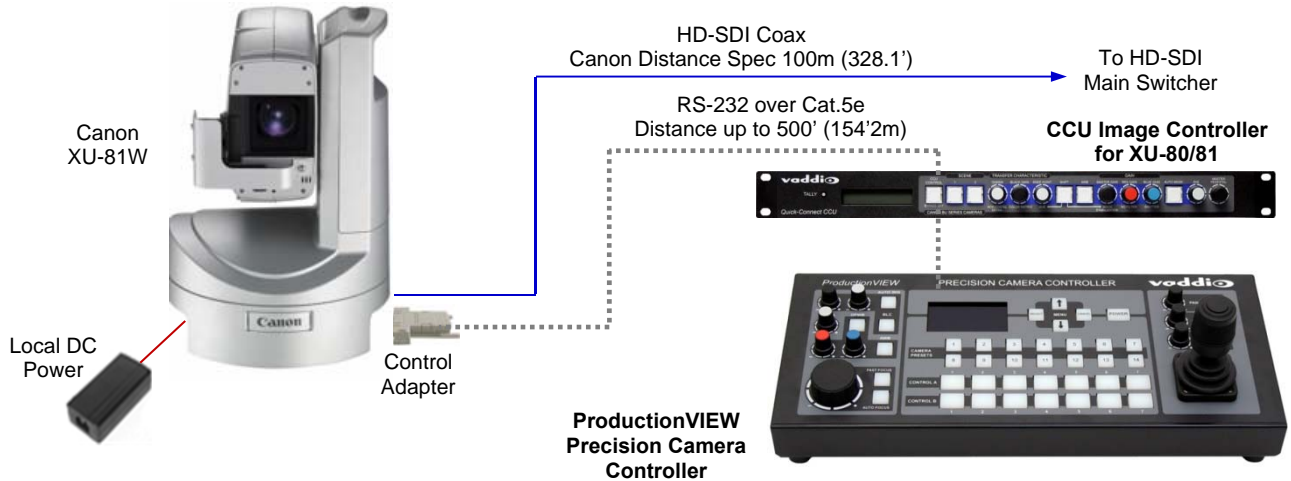
The information contained in this manual will help you install the Canon XU Series cameras. For reference, Vaddio keeps copies of Specifications, Installation and User Guides and most pertinent product drawings for the Vaddio product line on the website. These documents can be downloaded from [vaddio.com](http://vaddio.com)

**INFORMATION**

Please see the full-length Technical Manual for the XU-81 and XU-81W cameras. These manuals can be found either on the Vaddio or Canon websites. Vaddio has also prepared a number of Tech Notes, specifications and drawings designed to inform and educate integrators on the value and the specific uses of Vaddio products.

**Basic Connectivity Diagrams:**

**Diagram 1:** Canon XU-81W with Vaddio ProductionVIEW™ Precision Camera Controller and CCU Image Controller



**Diagram 2:** Canon XU-81 Vaddio ProductionVIEW HD-SDI MV (Multi-viewer) Switcher/Controller and CCU Image Controller

