

BeamLink-Quad ONE-YEAR LIMITED WARRANTY



SHENZHEN CRYSTAL VIDEO TECHNOLOGY CO.,LTD

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BeamLink-Duo Wireless
Transmission System

Quick Start Guide

Version:1.0

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.



Thank you for buying CVW product--BeamLink-Quad, the 2 Transmitters-to-1 Receiver wireless HD video transmission system. Please read the instructions carefully before using the product.

PRODUCT FEATURES

- Support 2 Tx-to-1 Rx; tally function; support 2 channels HD video transmission simultaneously in ONLY 1 RF channel;
- 8Mbps data rate for each video channel, support 2 channels video transmission simultaneously in up to 500 meters range with 150ms latency;
- Support 2 channels video input & output through SDI or HDMI interface. The system can be connected seamlessly to most popular video switch consoles.
- Simple installation; convenient operation; flexible application; eliminate the hassle of running wires across multi-camera positions.

PACKING LIST

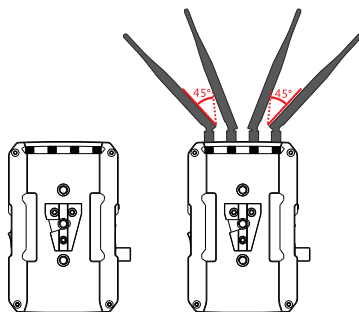
The following items are included in the product package:



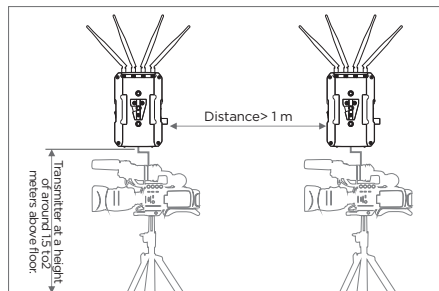
Notice: The transmitter comes with the Sony NP-F type battery plate and has preassembled V-mount connector. The receiver has preassembled battery plate and v-mount connector.

Transmitter Installation

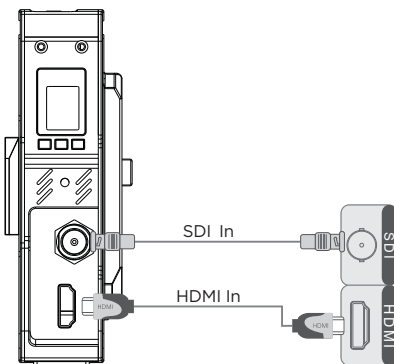
1. Please install all the antennas on the transmitter and make them in a fan shape as shown in the picture.



2. Please fix the transmitter via the screw at the bottom or the V-mount at the back, and place it at a height of around 1.5 to 2 meters above floor. Please make sure that the distance between each transmitter is more than 1 meter.

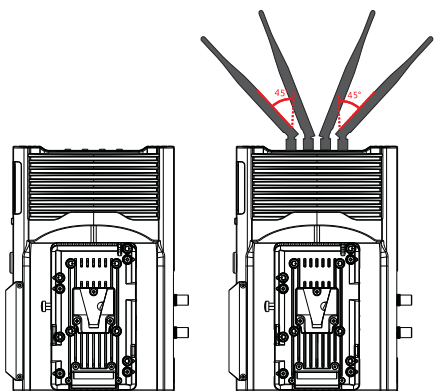


3. Please connect the transmitter and camera with SDI or HDMI cable.

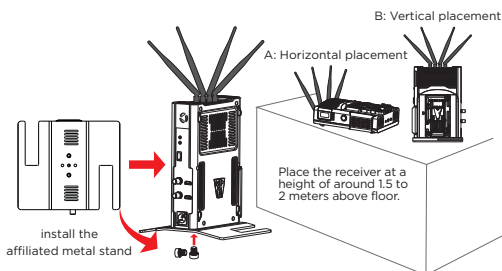


Receiver Installation

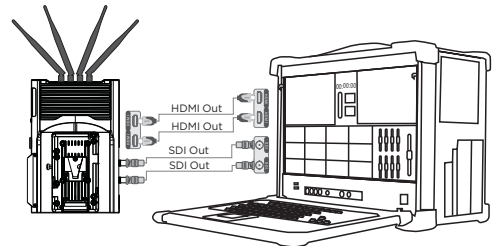
1. Please install all the antennas on the receiver, and make them in a fan shape as shown in the picture.



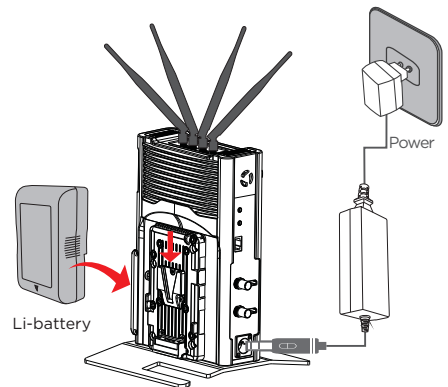
2. Please place the receiver at a height of around 1.5 to 2 meters above floor. Receiver can be placed in vertical or horizontal positions, and can be fixed via the screw at the bottom or V-mount at the back. Please install the affiliated metal stand before placing the receiver in vertical position.



3. Please connect the receiver and video switch console or monitor with SDI or HDMI cable.



4. The receiver can be powered by both the V-mount battery and DC-IN port via the affiliated power adapter. If the mentioned two types of powersupply are connected at the same time, the lithium battery should be prioritized in power supplying, and the battery will switch to the power adapter for power supplying automatically after the battery power is exhausted.



This system supports tally function. When the receiver is activated by low-level current, the transmitter will output high-level current signal.

Power up and start to use

Please turn on transmitter, receiver and other related devices in turn. After powering on, the OLED panel on the transmitter and the receiver will be lit up, and the status light of transmitter will be lit red. When transmitter and receiver are on connecting mode, the status light of transmitter will turn to flicker in yellow. When the connection is successful, the status light of transmitter will be on yellow steadily, then you will get live image at the receiver side. It will take about 90 seconds from powering up the product to the live image displaying.

There is a one-to-one correspondence between four transmitters and four video output interfaces of the receiver, that is to say, the video transmitted by the transmitter which shows No. 1 on its OLED screen will be also output from the video out interface marked No. 1 and can deduce the rest 3 transmitters from this.

Description of buttons operation

Usage Scenario	Transmitter	Receiver
Switching to a different channel when there is interference.	--	Short press button "CH/WPS" to switch among 11 channels circularly. After switching the channel, the OLED screen of transmitter and receiver will both display current working frequency.
Please choose low gain mode when works in short distance.	Long press button "LNA ON/OFF" for 3 seconds to switch high or low gain mode.	Long press button "LNA ON/OFF" for 3 seconds to switch high or low gain mode. After switching into low gain mode both on transmitter and receiver sides, the OLED screen will display an "L" letter. If switching back to high gain mode, the letter will disappear.
Please re-pair the kits after you replace receiver or transmitter	Long press button "CH/WPS" for 3 seconds to start pairing.	Long press button "LNA ON/OFF" for 3 seconds to start pairing. When transmitter and receiver are in the process of pairing, the OLED screen will display character string "WPS", and the character string will disappear after pairing is successful.
Reset video encoder	Long press button "RESET" for 3 seconds to reset the video encoder of transmitter.	--
Reset specific video decoder on receiver.	--	First, short press button "RESET" to choose the video decoder which you need to reset from the symbol as 1, 2, on OLED screen of receiver, then long press button "RESET" for 3 seconds to confirm resetting. When video decoder is in the process of resetting, the OLED screen of receiver will keep displaying character string "RESET", and the character string will disappear after resetting is finished.
Switch OLED display direction of receiver	--	Short press button "LNA ON/OFF" and the OLED display direction of receiver will be switching between horizontal and vertical modes.

