

Full HD
Video

SDI &
HDMI

Very Low
Latency

Plug &
Play

Rugged
Design

Wireless HD Video Link PRO 300



EU Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.



This user manual applies to:
Transmitter: CC8980
Receiver: CC3865

USER MANUAL




Version: 1.0
2014.09

Important Information

Please read this user manual before you use this product, it contains all the notes and important things regarding operating this product. In accordance with the safety precautions and operating instructions listed on this user manual, our applies provided the product is handled properly for its intended use, but may not apply to below cases:

- Repairs or product modification and alterations have been executed by unauthorized personnel.
- The damages are caused by accidents including but not limited to lightning, fire, exposed to rain or water, and moisture.
- Do not use provided power adapter with specific power voltage which are not compliant with the rated voltage range in the attached label of the power adapter in package.
- The model label on the product has been modified or the warranty tag has been removed by unauthorized personnel.

Safety Precaution

 <p>Danger! High voltage</p>	To reduce the risks of electricity, do not remove or open the cover. No user-serviceable parts are inside. Please return to original factory for maintenance
 <p>Beware of hot surfaces!</p>	The high temperature in the process of operating the device may cause the high risk of scalding.
 <p>Caution!</p>	Please use our standard power adapter. Detailed information Please refer to the rated voltage range showed on the label at the back of package's power adapter.

Danger: Be careful with electricity.

- As connecting any equipment (such as any player or TV , etc.), please turn off the power to the product before any operation is undertaken.
- Power outlet: To prevent electric shock or fire, short circuit, please make sure the type of electrical plug used on the receiver's and transmitter's power cord are compliant with the rated voltage range in the attached label of the power adapter in package.
- Power cord: Do not place any heavy articles above on the power cord. To avoid being stepped on or pinched by heavy items, the power cord should not be located on the place where people pass by frequently.
- Power overloading: Avoid overloading wall's electrical outlets and extension cord or other multi-socket; otherwise could result in electric shock or fire.
- Lightning: For protection from lightning or when the product is left unattended for a long period, please disconnect it from the power source.
- Please disconnect the power cord from the power outlet when you are not using the receiver and transmitter, this will reduce the risk of electric shock or fire.

Warning

- This product should not be exposed to dripping or splashing. Do not place any object filled with liquid on the product (eg. vases).
- To avoid electric shock, please do not block or stick anything on the air vent of product; do not remove the cover or put the object just like pins, steel wire into the gap of the air vent.
- Please place the receiver/ transmitter on a flat with hard and stable surface.
- Ventilation: please do not block the air vents on the receiver/transmitter or place any heavy object on top of them . Blocking the air flow can damage the product itself. Please make sure that there is adequate ventilation distance between the receiver and TV, and also put the product away from direct sunlight or any source of heat.
- Water Exposure: To reduce the risk of electric shock or fire , please do not expose the receiver/transmitter to rain or moisture.
- We assume no responsibility for any damage or result caused by using other adapters instead of our standard adapters

Special Notice

- Although the product has provided the function of data encryption when transmitting, you still need to pay attention to deliberate signal interception. There will be the Possibility of a third party intentionally intercept the transmission signal since the product adopt wireless communication. Please do not use the product on confidential and important communications, or life-related communications The main concern is that the content of wireless communication might be received by the third party's wireless devices deliberately or accidentally.
- The impact of radio waves (such as the following environment may cause the abnormal audio and video (blocked image, noise ...etc.).
 - 1) Transmit near the wall which is hard for the radio waves to get through.
 - 2) Quite close to the refrigerator, metal fitment and appliances, or next to the crowded situation.
- This product has been tested and manufactured to comply with national electrical safety rules, however, there will be noise caused by the interference with other machines in rare cases. If the interference is happened, please keep a certain distance away from other machines.
- The product is susceptible to interference from 5GHz wireless local area network or other wireless devices.
- Optimal range between transmitter and receiver is between 1 meter and 300 meters within line of sight.
- Please do not set up the transmitter and receiver in metal shelf, or it will hinder the wireless communications.
- 1080P/60Hz Wireless transmitting.
- It will take 15-20 seconds to boot the system before wireless communication start, the media receiver can not be operated during this time.

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Foreword

- Please read this manual carefully before you use this product and retain it properly for future reference.
- If there is any doubt or difficulty in the process of product usage, please feel free to contact us or the dealer.
- The company reserves the authority to amend the specification.

Brief Introduction

The system is designed to replace the current widely used cables in the live broadcasting and production environments. Cables always suffer from wiring hassles and sometimes just impossible to have cables. This wireless HD video transmission system supports good wireless coverage, plug and play, industry standard power and video interfaces and will provide you State-Of-Art picture quality with very low latency in both indoor and outdoor applications.

The Wireless HD Video Link system can be used in film production, live broadcasting as well as many other applications which requires good quality wireless video connections such as wedding and conferences.

Features

- 5GHz ISM Band Wireless HD Video transmission.
- Supports multiple channel switching and broadcast mode for 1 transmitter to multiple receivers.
- Supports up to 1080p/60Hz resolution, HDMI/HD-SDI/3G-SDI 4:2:2, 10bits color depth.
- Uncompromised picture quality with very low latency <30ms.
- Effective range: 300m/1000ft. (Line of sight).
- HDMI 1.3 with EDID support.
- Plug & Play – fully hardware design, no software is required.
- AES128/256 Encryption.

Packing List

Please check the packing list carefully after unpacking, if any part is missing, please contact your dealer.



* Accessories in package may vary according to certain conditions in different country/region, please check out the content in detail with the local retailer.

Specification

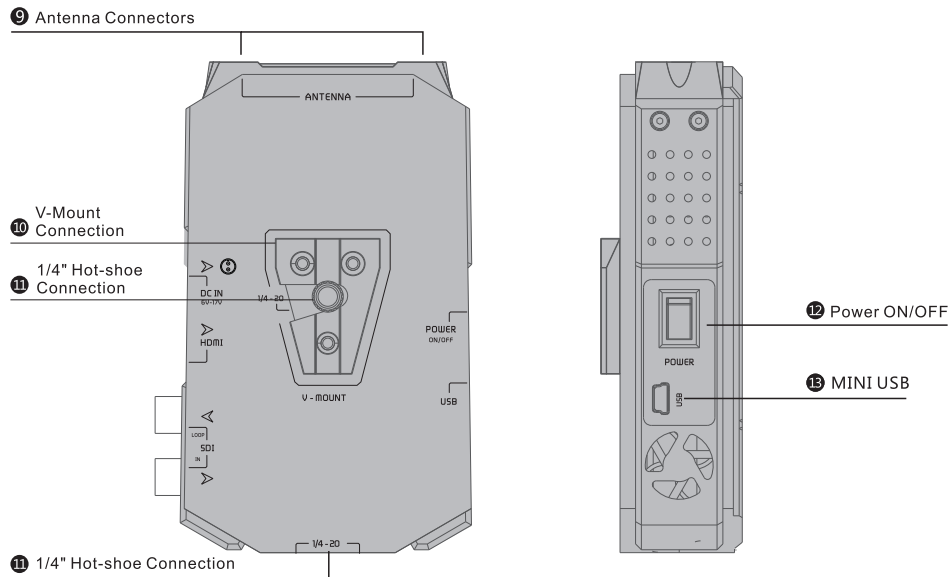
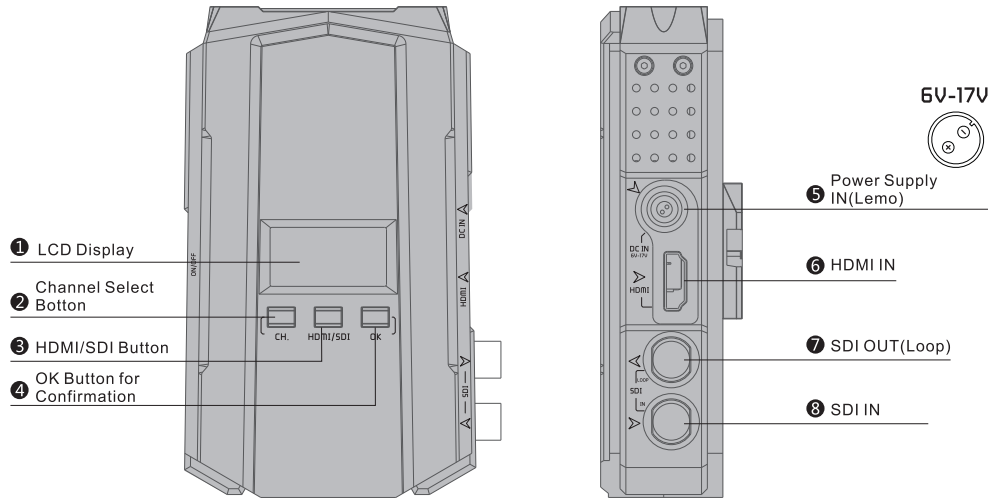
ITEM	Specification
Frequency	5.725-5.850 (GHz) * Subject to different RF regulations in different regions
Bandwidth	40MHz
Video Formats Supported	1080p 23.98/24/25/30/50/60 1080psf 23.98/24/25 1080i 50/59.94/60 720p 50/59.94/60 576p 576i 480p 480i
Audio Formats Supported	PCM, DTS-HD, Dolby TrueHD
Time Code	SMPTE-12M
Transmission range	>300m (Line of sight)
Transmitter	
Antenna	External Antenna X 2 pcs
Transmission Power	20dBm
Functional Interface	HDMI Input; SDI Input; SDI Loop Output; Mini USB; LEMO Power IN; Antenna RPSMA Socket, Power ON/OFF
Mounting Structure	1/4" Hot-shoe connection; V-Mount * Optional
LCD Display	Wireless Channel Info; SDI/HDMI Input Info; Signal status; Power Info
Working Voltage	6V~17V
Power Consumption	7~8W
Dimensions	119x79x32 mm
Temperature	-10 ~ 60°C (Operating) ; -40 ~ 80°C (Storage)
Receiver	
Antenna	External Antenna X 5 pcs
Receiving Sensitivity	-70dBm
Functional Interface	SDI Dual Output; HDMI Output; Mini USB; LEMO Power IN; Antenna RPSMA Socket, Power ON/OFF
Locating Structure	1/4" Hot-shoe connection; V-Mount * Optional
LCD Display	Wireless Channel Info; SDI/HDMI Input Info; Signal status; Power Info
Working Voltage	6V~17V
Power Consumption	7~8W
Dimensions	155x111x32 mm
Temperature	-10 ~ 60°C (Operating) ; -40 ~ 80°C (Storage)

* Since the product's improving process , all the performance , design and specifications of our products are subject to minor change without prior notice.

Mechanic Information

TX

Transmitter CC8980



Structure

1	LCD Display
	Displays information of Channel, input selection, signal status and battery capacity
2	Channel Select Button
	Select the same channel to RX
3	HDMI/SDI Button
	Select HDMI or SDI INPUT from signal source
4	OK Button for Confirmation
	Confirm the Selection
5	Power Supply IN(Lemo) * Support 6-17V
	Support connecting to the power supply of the camera, or power adaptor Notice: BE AWARE OF POLARITY BEFORE APPLIES TO POWER SUPPLY!
6	HDMI IN
	Connect to the HD Video Source with HDMI Input
7	SDI OUT(Loop)
	Connect to the HD Digital Monitor which support 3G-SDI, HD-SDI
8	SDI Input
	Connect to the video source which support 3G-SDI, HD-SDI
9	Antenna Connectors
	RPSMA connectors for antennas
10	V-Mount Connection * Optional
	Supports V-Mount Connection
11	1/4" Hot-shoe Connection
	Supports Hot-shoe Mounting
12	Power ON/OFF
	Power ON/OFF
13	Mini USB
	For System Upgrading