

EHA-CRX

HDcctv Repeater + HDMI Converter



User's Manual



Copyright © EverFocus Electronics Corp,

Release: April, 2012

Please read this manual first for correct installation and operation. This manual should be retained for future reference. The information in this manual was current when published. The manufacturer reserves the right to revise and improve its products. All specifications are therefore subject to change without notice.

PRECAUTIONS

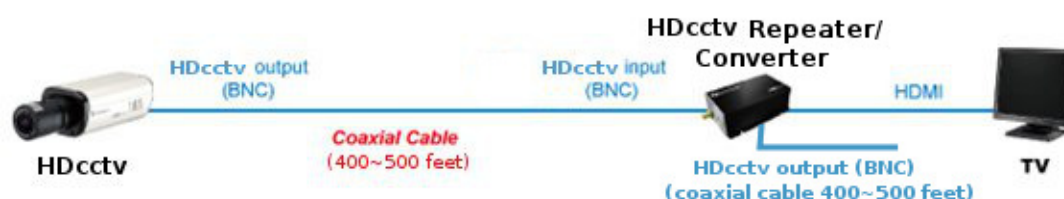
1. **Do not install the EHA-CRX near electric or magnetic fields.**
Install the EHA-CRX away from TV/radio transmitters, magnets, electric motors, transformers and audio speakers since the electromagnetic fields generated from these devices may distort the video image.
2. **Never disassemble the EHA-CRX beyond the recommendations in this manual nor introduce materials other than those recommended herein.**
Improper disassembly or introduction of corrosive materials may result in equipment failure or other damage.
3. **Keep the power cord away from water and other liquids and never touch the power cord with wet hands.**
Touching a wet power cord with hands or touching the power cord with wet hands may result in electric shock.
4. **Never install the EHA-CRX in areas exposed to water, oil or gas.**
Water, oil or gas may result in equipment failure, electric shock or, in extreme cases, fire.
5. **Do not operate the camera beyond the specified temperature, humidity or power source ratings.**
Use the camera at temperatures within 0°C ~ 50°C (32°F ~ 122°F) and humidity between 20~80%. The input power source is 12VDC.

1. INTRODUCTION

The EHA-CRX accepts the HDcctv digital video signal from an HDcctv camera, repeats the signal for use by another HDcctv downstream device and also converts the signal for presentation on the HDMI input of an HD TV or monitor. The converter supports HDcctv video signals similar to the SMPTE 292M, 296M standards, at data rates up to 1.485Gb/s. With integrated cable equalizer technology, the EHA-CRX is capable of receiving HDcctv digital video at up to 1920 x 1080 resolution over 75Ω coaxial cable at distances up to 400~500 feet (RG59) without loss of quality, and sending the HDcctv signals another 400~500 feet over RG59 coax. This provides a complete solution for the transmission and display of both interlaced and progressive scan HDcctv digital video from coaxial cable-based HDcctv cameras.

2. FEATURES

- Accepts HDcctv high-definition HDcctv digital video at 720p/60, 1080i/60 and 1080p/30 formats/ frame rates
- Processes HDcctv standard at 1.485Gb/s data rate
- Provides standard HDMI video output for HD TV monitor display
- Integrated cable equalizer for long distance video transmission without loss of quality
- Capable of receiving HDcctv digital video over 75Ω coaxial cable at distances of 400~500 feet.
- Retransmits/repeats HDcctv digital video over 75Ω coaxial cable to distances of 400~500 feet.
- High quality digital video transmission with zero latency



3. SPECIFICATIONS

Model Name	EHA-CRX HDcctv Repeater/HDMI Converter
Technical	
Digital Video Format	HDcctv
Video Bandwidth	1.485Gbps
HDcctv Video Support	720p @50/59.94/60Hz, 1080i @50/59.94/60Hz, 1080p @24/30Hz
Input Connector	1x BNC [HDcctv] 3G 75Ω inter-locked socket
Input Signal	HDcctv similar to SMPTE 292M, 296M
Repeater Output Connector	1 x BNC [HDcctv] 3G 75Ω inter-locked socket
Repeater Output Signal	HDcctv similar to SMPTE 292M, 296M
Cable Equalization	400~500 feet (RG59)
Converter Output Connector	1x HDMI Type A [19-pin female] Video support only
Mechanical	
Housing	Metal case
Dimensions	77 (W) x 38 (H) x 117 (D) mm / 3" (W) x 1.5" (H) x 4.6" (D)
Weight	200g / 0.45lbs
Power Supply	12VDC
Power Consumption	3 W max.
Operation Temperature	0~50°C / 32~122°F
Relative Humidity	(20%~80% Humidity)

4. FRONT PANEL



1. HDMI Output
2. HDcctv Output

5. REAR PANEL



3. Power LED indicator
4. Link LED indicator
5. Power 12VDC
6. HDcctv Input

EverFocus Electronics Corp.

Headquarters Office

12F, No.79 Sec.1 Shin-Tai Wu Road,
Hsi-Chi, Taipei, Taiwan
Tel: +886-2-26982334
Fax: +886-2-26982380

Beijing office

Room 609, Technology Trade Building.
Shangdi Information Industry Base,
Haidian District, Beijing China
Tel: +86-10-62971096
Fax: +86-10-62971423

European Office

Albert-Einstein-Strasse 1,
D-46446 Emmerich, Germany
Tel: +49-2822-9394-0
Fax: +49-2822-939495

Japan Office

5F Kinshicho City Building , 2-13-4 Koto-bashi ,
Sumida-Ku , Tokyo , 130-0022 , Japan
Tel: +81-3-5625-8188
Fax: +81-3-5625-8189

USA California Office

1801 Highland Ave. Unit A
Duarte, CA 91010 ,U.S.A
Tel: +1-626-844-8888
Fax: +1-626-844-8838

USA New York Office

415 Oser Ave Unit S
Hauppauge, NY 11788
Sales: +1-631-436-5070
Fax: +1-631-436-5027

India Office

Suite 803, 8th Floor,
Housefin Bhavan,
C-21 Bandra Kurla Complex,
Bandra (East), Mumbai 400 051
Tel: +91 22 6128-8700



Your EverFocus product is designed and manufactured with high quality materials and components which can be recycled and reused. This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste. Please, dispose of this equipment at your local community waste collection/recycling centre. In the European Union there are separate collection systems for used electrical and electronic product. Please, help us to conserve the environment we live in!

Ihr EverFocus Produkt wurde entwickelt und hergestellt mit qualitativ hochwertigen Materialien und Komponenten, die recycelt und wieder verwendet werden können. Dieses Symbol bedeutet, dass elektrische und elektronische Geräte am Ende ihrer Nutzungsdauer vom Hausmüll getrennt entsorgt werden sollen. Bitte entsorgen Sie dieses Gerät bei Ihrer örtlichen kommunalen Sammelstelle oder im Recycling Centre.

Helfen Sie uns bitte, die Umwelt zu erhalten, in der wir leben.

**EverFocus®**