

Managed HDMI Extender

[Overview](#) | [Parameters](#) | [Technical Specifications](#) | [Applications](#)


Model: FS-HD2103E

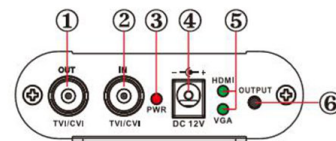
HD-TVI/CVI to HDMI & VGA Converter



- Support 1MP, 2MP and 4MP CVI cameras;
- Support 1MP, 2MP, 3MP and 5MP TVI cameras;
- support CVBS input signal
- Support BNC self-loop, the video captured by the camera
- can be looped out to other DVR devices at the same time
- HD video transmission distance can reach 200m via BNC coaxial cable;
- Support HDMI 1.2a, 1080P resolution;
- VGA output supports 960H (960x576i), 1280 x 720P, and 1920X1080P;
- Excellent lightning protection, anti-static and anti-interference design;
- Easy and convenient to use, plug & play, no need to configure;
- With 12V/1A power adapter, safe and low power consumption design;

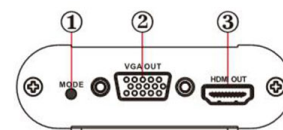
Front Panel

- ① BNC coaxial output interface, connecting VCR/DVR
- ② BNC coaxial input interface, connecting TVI/CVI/CVBS signal sources or cameras
- ③ Power indicator
- ④ DC 12V Power Output Interface
- ⑤ Output signal indicator
- ⑥ The output selection button switches between HDMI and VGA



Rear Panel

- ① VGA output mode selection, 960H (960x576i), 1280 x 720P, and 1920X1080P
- ② VGA Output Interface
- ③ HDMI Output Interface



Overview

With low price, high-definition display and high quality, the FS-HD2103E can completely replace the DVR equipment in traditional video capture and transmission fields. It can realize long-distance transmission of HD signal with a single coaxial cable at low cost. It is widely used in security network monitoring system of coaxial cable wiring, old city network transformation projects and low-cost network upgrading and expansion system.

The FS-HD2103E supports TVI, CVI, and CVBS signals, as well as cameras that output TVI, CVI, and CVBS formats. It can convert TVI, CVI and CVBS signals into HDMI and VGA video signals, and resolution output max up to 1920X1080P. The transmission distance between the TVI, CVI and CVBS signals which inputted via BNC coaxial cable and the final display device can reach 200m or more.

The FS-HD2103E adopts dual BNC interfaces design and supports one-channel signal output of TVI, CVI and CVBS. It can realize simultaneous acquisition, monitoring and post-processing of signal sources in multiple locations, so as to flexibly build a powerful complete network of video information collection and processing.

The FS-HD2103E is widely used in the fields of security surveillance and high-definition video capture, and has broad application prospects in railway information system, urban transportation, metallurgical mines, building security system and so on.

Managed HDMI Extender

[Overview](#) | [Parameters](#) | [Technical Specifications](#) | [Applications](#)

Package Contents

1. FS-HD2103E: 1pc
2. Power Adapter 12V/1A: 1pc
3. User Manual: 1pc
4. Warranty Card: 1pc

Installation Steps

- 1) Please turn off the power of each signal source and equipment before installation, otherwise, may cause damage to transmission equipment;
- 2) Use one pc coaxial cable to connect the camera (or source devices of TVI, CVI and CVBS signals which transmitted over coaxial cable) with the "TVI/CVI IN" port of FS-HD2103E;
- 3) Use one pc HDMI cable to connect the "HDMI OUT" port of FS-HD2103E with the corresponding interface of display device;
- 4) Use one pc VGA signal cable to connect the "VGA OUT" port of FS-HD2103E with the corresponding interface of display device;
- 5) Connect the DC input interface of FS-HD2103E to the 12V/1A power adapter which offered by us;
- 6) Check and ensure the installation is correct, equipment is in good condition and all connections are reliable, then, plug in the power cord to power the whole system;
- 7) The red "PWR" light of the device lights up after power-on;
- 8) Turn on the signal source of TVI, CVI and CVBS and send the signal to FS-HD2103E via the coaxial cable;
- 9) When the display device is connected via the VGA port, the output VGA video format is switched by using the "OUTPUT" button, and the corresponding VGA indicator on FS-HD2103E is illuminated, and the picture is showed on the screen at the same time;
- 10) When the display device is connected via the HDMI port, the output HDMI format is switched by using the "OUTPUT" button, and the corresponding HDMI indicator on FS-HD2103E is illuminated, and the picture is showed on the screen at the same time.

Note:

FS-HD2103E supports TVI, CVI and CVBS signals self-loop to other signal processing devices (such as DVR which supporting real-time storage, editing and third-party monitoring of video information).

After completing step 2 above, we can use another coaxial cable to connect "TVI/CVI OUT" port of the FS-HD2103E with the corresponding signal processing device to realize simultaneous acquisition, monitoring and post-processing of signal sources in multiple locations.

Trouble shooting

If the equipment fails, it can be solved as follows:

- 1) Check if devices installed in proper way which instructed by the supplier.
- 2) Check if coaxial cable well connected.
- 3) The maximum transmission distance depends on the quality of the signal source and the transmission cable. Check if actual transmission distance exceeds Max. distance permitted.
- 4) check if camera, FS-HD2103E, display device is properly powered.
- 5) Replace the defective one with a proper unit, check if the devices (NVR, IP camera etc.) are damaged.
- 6) Check if coaxial cable is damaged.
- 7) Contact the supplier if faults can't be removed after operations mentioned above.

Warning!

Important Product Warnings:

1. Please fix in the final position after testing is finished normally.
2. Before powering the items, please make sure the connection is correct.

Safety Instructions:

1. Before using the items, please read and keep the instruction carefully.
2. Before powering the items, please make sure the connection is correct in advance.
3. Do not use the product near water, heat, etc.
4. Please clean with the dry cloth only.
5. It is forbidden to open the machine by the laypeople.
6. If any quality problem of product, please contact the maintenance personnel in time.

Managed HDMI Extender

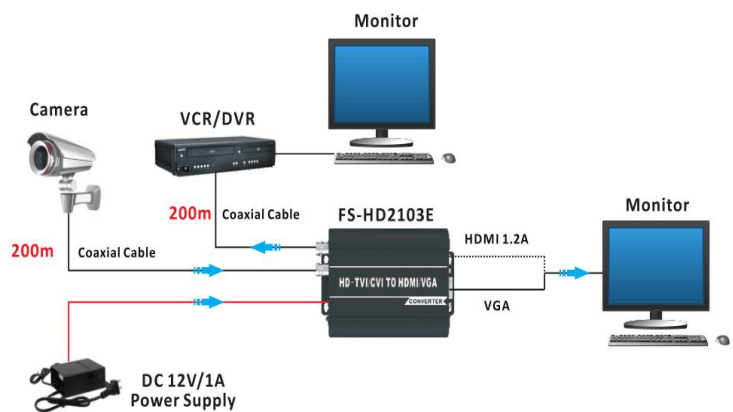
[Overview](#) | [Parameters](#) | [Technical Specifications](#) | [Applications](#)

Power Supply	Power Supply pattern	Input: DC 12V/1A
	Power Consumption	<5W
HDMI Interface	Transmission Distance	>10m
	Resolution	1920 x 1080P
	Implementation Standards	HDMI 1.2a
Coaxial Interface	Coaxial Interface	BNC
	Impedance	75Ω
	Max Transmission Distance	200m (SYV75-5 cable)
VGA Interface	Transmission Distance	>10m
	Resolution	1280x720P, 1920x1080P
	Format	PAL NTSC
LED Indicator	Green Light	HDMI output Indicator
	Red Light	Power Indicator
	Blue Light	VGA output indicator
Protection level	Surge Protection	2KV (differential mode), 4KV (common mode), Implementation Standards: IEC61000-4-5
	Electrostatic Protection	GradeIII, Implementation standards: IEC61000-4-2
Mechanical	Dimensions(L*W*H)	99.35*83.6*23.8mm
	Housing Material	Aluminum
	Body Color	Black
	Net Weight	150g
Working environment	Operating Temperature	0~55℃
	Storage Temperature	-25~85℃
	Relative Humidity	0~95% (non-condensing)

Applications

• Note:

1. Coaxial cable should not exceed 200 meters, a single host can only be used with one TVI, CVI and CVBS signal source or camera at the same time;
2. The output of power adapter should be no more than 12V;
3. HDMI or VGA cable used to connect the display device should be less than 5 meters;
4. HDMI and VGA signal can only be outputted one at the same time, you can switch according to the "OUTPUT" button on the panel.



NEWSLETTER SIGN UP

Your email address

Managed HDMI Extender

[Overview](#) | [Parameters](#) | [Technical Specifications](#) | [Applications](#)

Zone, Futian District, Shenzhen, China.

+ 86 755 27189622

+ 86 755 27189522

info@folksafe.com

www.folksafe.com

[Business Philosophy](#)

[Company Milestones](#)

[Certificates & Patents](#)

[Excellent Teams](#)

[Company Culture](#)

[HD Hybrid Video Balun](#)

[IT Transmission](#)

[Surge Protector](#)

[Accessories](#)

[Products](#)

[White Papers](#)

[Where to Buy](#)

[Industry News](#)

[Exhibitions](#)

[Video Center](#)