

## CONNECTING HD OVER COAX VIDEO TO MULTI HDMI MONITORS

Dear Installers,

Trending today is the latest ability to see the output from a single 4x1 HD over Coax camera to multiple HDMI monitors using coax cable. Many older installations still rely on RG59 coax cable that was run a few generations ago when analog cameras dominated the video surveillance market. A common viewing system included daisy-chaining the video output from a single stream source to multiple monitors in places such as public venues, retail locations and food establishments.

Today with all the major technology advances in HD signal quality, older NTSC and PAL video installations have become obsolete. Many locations want to upgrade to the newer technology but are precluded from doing so based on the cost of acquiring newer IP cameras, category network cable as well as replacing their existing coax cable installations.

GSS has solved this problem by offering the latest low cost HD over coax High resolution cameras along with the new W-HDA/HDMI-100 with 4K CVI/TVI/AHD+CVBS to HDMI output. Our converters are designed to use your current coax distribution network to attach to any HDMI TV or monitor.

This innovation finally affords older installations the ability upgrade to the latest high definition video imaging technology while minimizing the costs of re-cabling or adding expensive equipment.

The W-HDA/HDMI-100 converters serve two purposes: **first** it converts multiple High Definition video signals including CVI/TVI/AHD+CVBS to an HDMI signal and **second**, by using multiple W-HDA/HDMI-100 converters connected in serial configuration (daisy chaining) to view a single video stream on multiple HDMI monitors. **Additionally**, W-HDA/HDMI-100 converters allow you to take advantage of the long transmission distances up to **750 feet**. With built in loop BNC loop through and 75 Ohm termination, any HD coax output up to 4K can be viewed on multiple monitors simultaneously.

Order this new and exciting technology. Read on to learn how easy and quickly it is to configure a multi-monitor viewing solution using our extremely low cost converters.

## W-HDA/HDMI-100

### 4K CVI/TVI/AHD+CVBS to 4 HDMI Monitors



#### Full HD 4K CVI/TVI/AHD+CVBS to HDMI Converter

HDC series Converter is designed for HDMI video transmission and HD loop out, support 4K CV/TVI/AHD video Input, 4K Image loop out put, 1080P HDMI output. Auto match HD input, indicator visual display input resolution, it is a great advantage video transmission tool.

- Support up to AHD 8MP, TVI 8MP, CVI 8MP test
- CVI/TVI/AHD+CVBS to HDMI, HDMI output 1080P
- Connect HD Monitor, HD coaxial output HDMI Input Display simultaneous
- One channel AHD/TVI/CVI/CVBS loop out
- Auto recognition 720P/1080P/3MP/4MP/5MP/8MP resolution, indicator visual display

# W-HDA/HDMI-100

## 4K CVI/TVI/AHD+CVBS to HDMI

### AHD/TVI/CVI supported resolution table:

HD Coaxial camera/Resolution	CVI	TVI	AHD
720P	1280 x 720P 25/30/50/60 FPS	1280 x 720P 25/30/50/60 FPS	1280 x 720P 25/30 FPS
1080P	1920 x 1080P 25/30 FPS	1920 x 1080P 25/30 FPS	1920 x 1080P 25/30 FPS
3 MP	---	2048 x 1536P 18/25/30 FPS	2048 x 1536P 18/25/30 FPS
4MP	2560 x 1440P 25/30 FPS	2688 x 1520P 15FPS 2560 x 1440P 15/25/30 FPS	2560 x 1440P 15/25/30 FPS
5MP	---	2592 x 1944P 12.5/20FPS	2592 x 1944P 12.5/20FPS
4K (8MP)	3840 x 2160 12.5/15 FPS	3840 x 2160 15 FPS	3840 x 2160 15 FPS

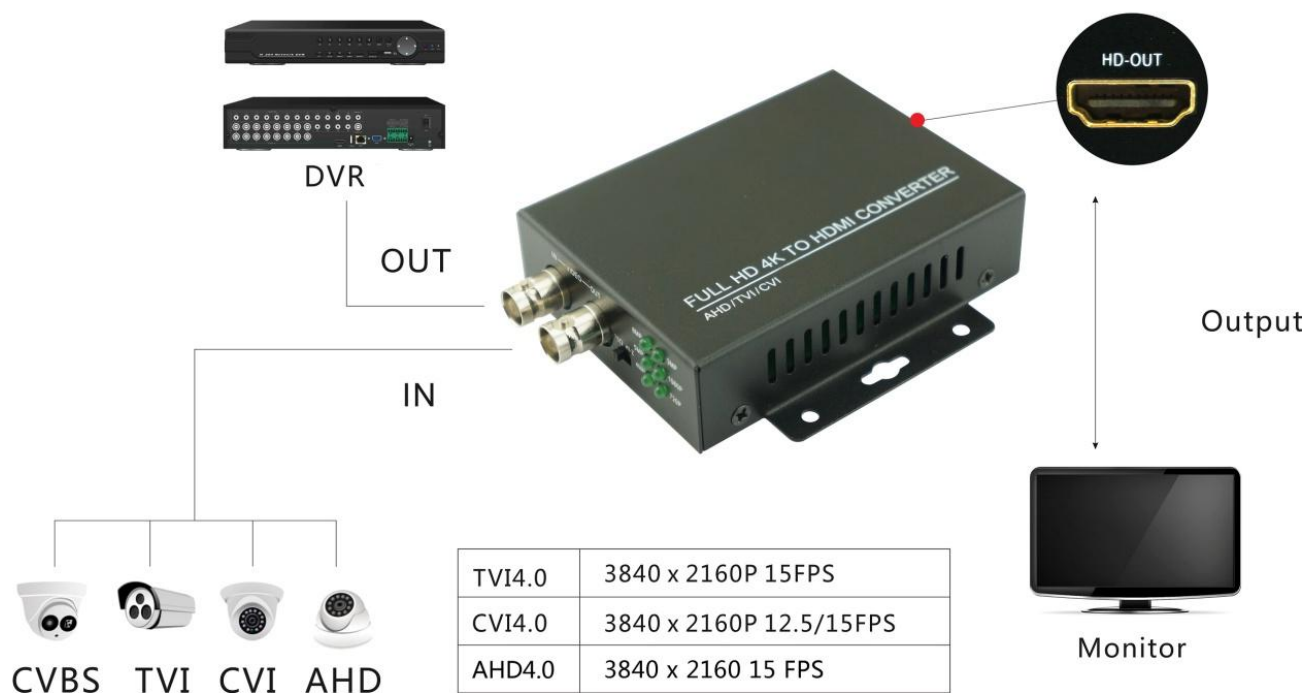
### Specifications

Model	HDC /ADH
Input Port	One channel CVI/TVI/AHD/CVBS BNC input
Output Port	One Channel CVI/TVI/AHD/CVBS BNC output , One channel HDMI output
Impedance	75Ω ( When the IN port of the converter is connected to the camera, and the OUT is not connected to the DVR, please set the impedance switch to 75Ω. When the IN port of the converter is connected to the camera and the OUT port is connected to the DVR, please set to HI-Z. )
Cable length	500~700meters, Different resolution,different transmission distance
<b>Power</b>	
External power supply	DC 5V (1A)
<b>General</b>	
Working Temperature	-10°C----+50°C
Working Humidity	30%-90%
Dimension/Weight	109mm x 94mm x 25mm / 0.18kg

# W-HDA/HDMI-100

4K CVI/TVI/AHD+CVBS to 4 HDMI Monitors

## Single- HD OVER COAX to 1 HDMI Monitor



### Power Connection:

- The device uses 5V 1A power supply, connected to the power can be used normally, power indicator light.

### Functions Introduction:

- CVI/TVI/AHD+CVBS to HDMI, HDMI output 1080P 60Fps, connect HDMI output cable, HD-LINK light, display yellow light.
- Support up to 8MP AHD/TVI/ CVI test.
- One channel AHD/TVI/CVI/CVBS loop out.
- Auto recognition 720P/1080P/3MP/4MP/5MP/8MP resolution, indicator visual display.

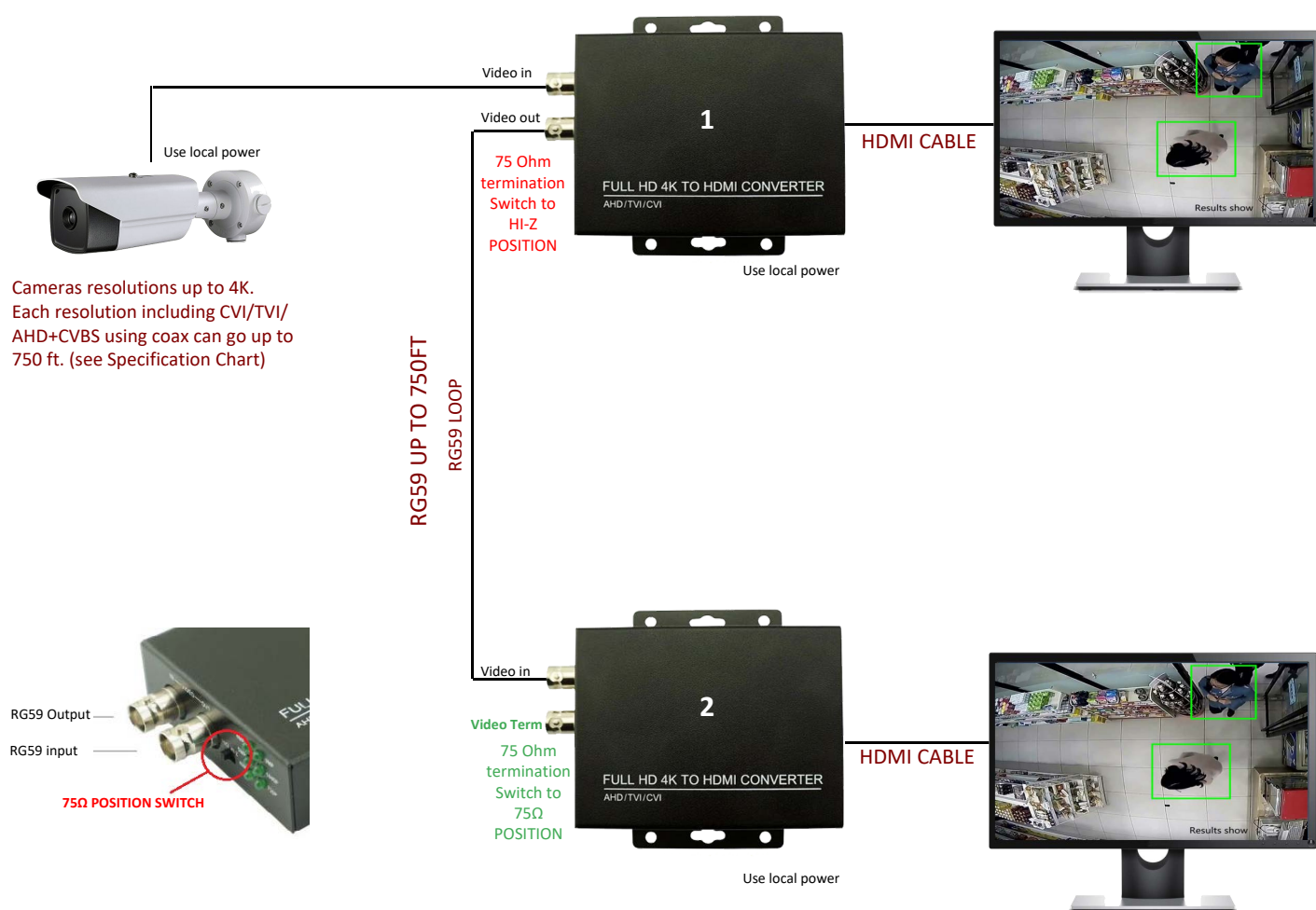
### 75 $\Omega$ HI-Z Impedance switch:

- When the IN port of the converter is connected to the camera, and the OUT is not connected to the DVR, please set the impedance switch to 75 $\Omega$ .
- When the IN port of the converter is connected to the camera and the OUT port is connected to the DVR, please set to HI-Z.

# W-HDA/HDMI-100

4K CVI/TVI/AHD+CVBS to 4 HDMI Monitors

## Single- HD OVER COAX to 2 HDMI Monitors



# W-HDA/HDMI-100

4K CVI/TVI/AHD+CVBS to 4 HDMI Monitors

## Single- HD OVER COAX to 4 HDMI Monitors

Use local power



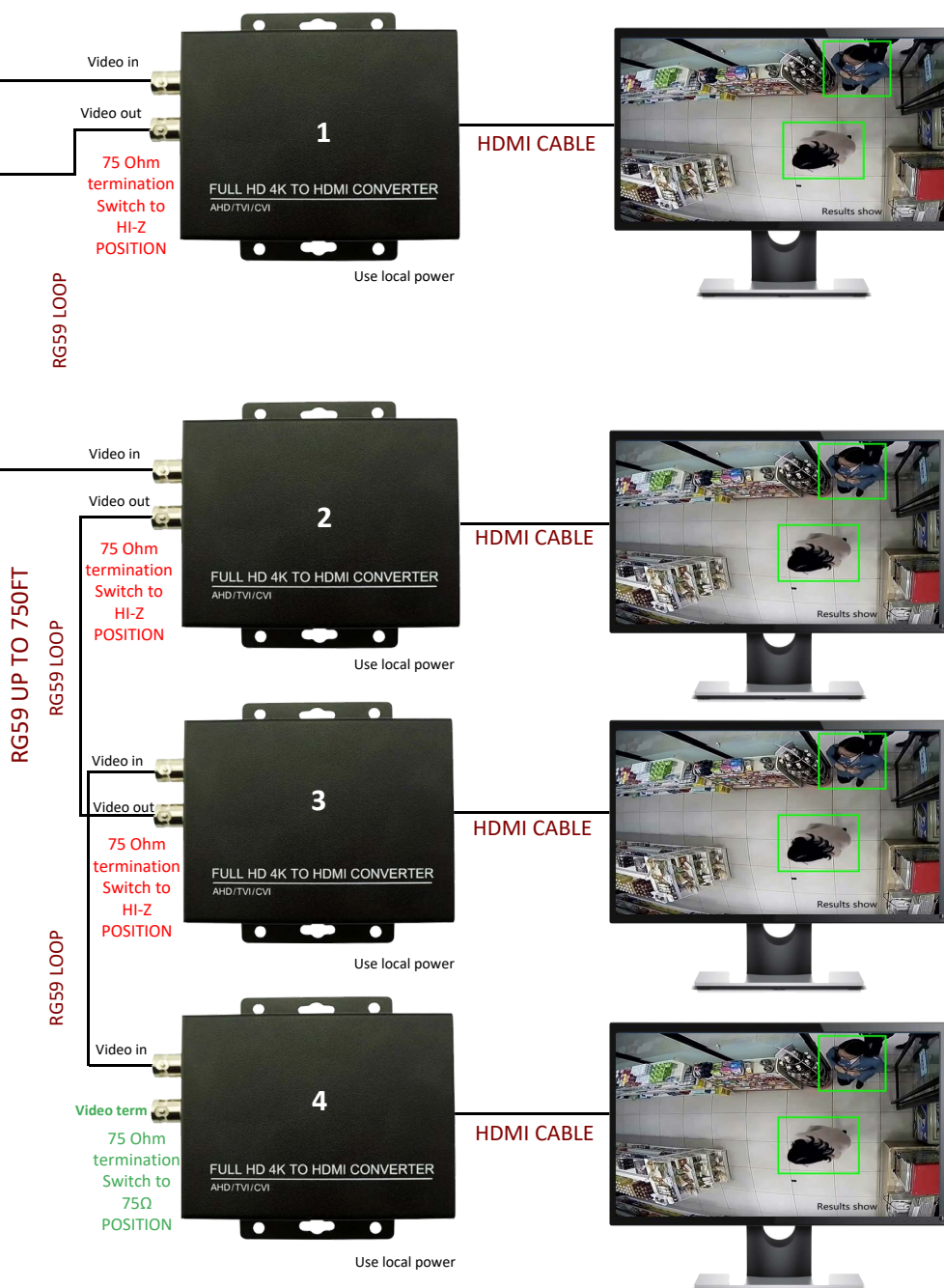
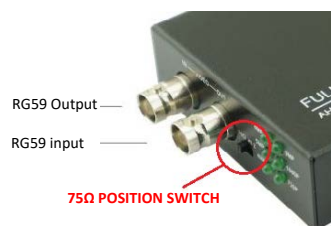
Cameras resolutions up to 4K.  
Each resolution including CVI/TVI/  
AHD+CVBS using coax can go up to  
750 ft. (see Specification Chart)

### W-HDGB100-OSD

HD VIDEO TRANSFORM FILTER



For best results, add the W-HDGB100-  
OSD HD video transform filter to the  
video out BNC on the first HDMI  
converter. This will minimize any  
artifacts from entering the remaining  
converters.





## W-HDGB100-OSD

### HD VIDEO TRANSFORM FILTER

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The device is an HD video transform filter for HDCVI/TVI/AHD. It is built in a highly balanced mode of video transmission, which is immune to interference from these, and other sources of noise: Data signals, other video signals, nearby power, ringing telephones, fluorescent lights, and transformers, etc...

### Features

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- Support the PTZ data control
- Support 720P&1080P&4K resolution, compatible with HDCVI/TVI/AHD.
- Eliminate problems as image tearing, cross-talk, rolling and so on.
- Protect HD video system from interference of electrical cable.
- Perfect work with DVR to immunity DVR interference.
- Compact, simple for connection via BNC.
- Passive, no need for power supply.

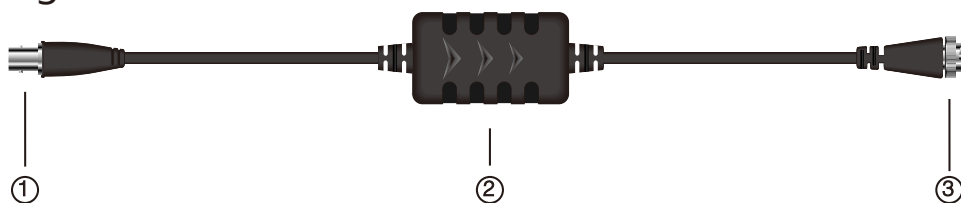
# W-HDGB100-OSD

## HD VIDEO TRANSFORM FILTER

### SPECIFICATIONS

Items		Parameters
Function Properties	Insertion Loss	0.5dB
	Frequency Response	0-75MHz
	Input Impedance Output	75Ohms
	Impedance Isolation	75Ohms
	Resistance	100M Ohms
Protection	ESD Protection	Contact Discharge:6000V Air Discharge:8000V Per IEC61000-4-2 4KV 10/700us.Per IEC61000-4-5
	Surge Protection MTBF	>20000h
Reliability	Size ( LWH )	The body: 41.5mm*22.5mm*16.5mm; Total length:400mm
Physical Properties	Outer Shell	ABS Plastic
	Color	Black
	N.W.	38g
	Operation Temperature	-20℃~ 55℃
Environmental	Storage Temperature	-40℃~70℃
	Relative Humidity	0~95%

### Panel Diagram



NO.	Component	Description
①	BNC-Female	HD Video Input The
②	Plastic Module	body of Filter HD
③	BNC-Male	Video Output