

# CV190 Multi-interface to SDI Video Converter



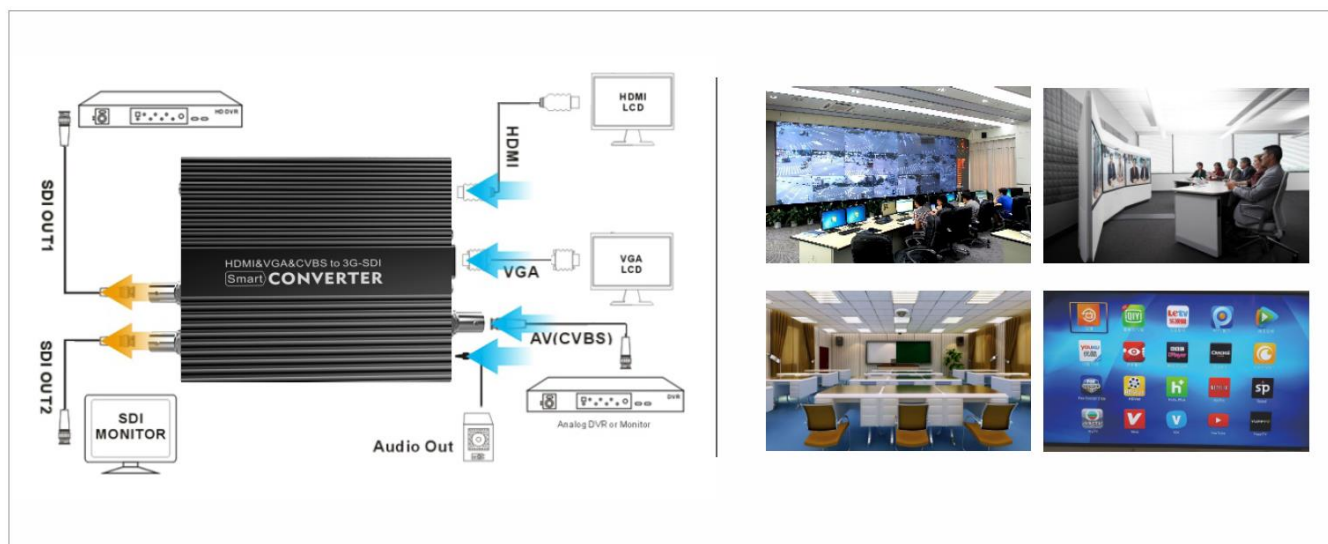
## Descriptions

CV190 is a broadcast level multifunctional video converter which can convert HDMI, VGA and AV(CVBS) to SDI with functions of framerate/resolution conversion, image scaling up/down, color conditioning, image enhancement and adjustment, and supports two channels of SDI signals output simultaneously.

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|------------------------------|------------------------|-----------------------------------|
| •Multi-interface to SDI      | •1 input and 2 outputs | •24h continuous working           |
| •High quality 10bit YUV4:2:2 | •Color adjustment      | •Framerate/ resolution conversion |

# Applications

Kiloview CV190 video converter is suitable for the applications that need to convert HDMI/VGA/AV(CVBS) to SDI signal, such as broadcast, video teaching and training, HD video information release, HD video long-distance transmission, video conferencing, multimedia advertising and video security monitoring etc.



# Advantages

## High compatibility, wide application

- HDMI, VGA and AV(CVBS) signals can be manually specified or automatically identified;
- It supports HDMI audio un-embedded/analog audio input, and making audio embedded into SDI signal;
- SD/HD/3G SDI output supported, supports 2 channels SDI output simultaneously;
- Integrated with enhanced SDI line driver, to ensure SD/HD/3G-SDI transmission distance up to 400m/200m/100m, under Belden 1694A and same cable quality conditions;
- Advanced setting or firmware upgrade is available by connecting PC via USB.

## High quality image conversion and image enhancement processing, making sure the image quality to broadcast level

- High quality 10bit YUV4:2:2 conversion, ensuring the color without distortion;
- Professional color adjustment, 3D noise reduction, progressive/interlace video conversion, video scaling up/down and framerate conversion etc, which can guarantee the professional image conversion quality;
- Blue screen display while signal loss.

## High quality, 24h continuous working mode

- High quality chips, capacitors, PCB board, interface adopted to ensure the stability of the device, making 24h continuous working available;
- EMC and HDMI test passed, high compatibility and reliability.

## Parameters

Model	CV190
Input	1*HDMI, 1*VGA, 1*BNC AV(CVBS), 1*3.5mm dual channel analog audio (1Vp-p)
Output	2*BNC-SDI (SD/HD/3G)
Input format	HDMI: 480i,576i,480p, 576p, 720p@50/59.94/60,1080i@50/59.94/60, 1080p@24/25/29.97/30, 1080p50/59.94/60, compatible with VGA format, up to
SDI transmitting distance	SDI transmitting distance Belden 1694A: SD-SDI 400m, HD-SDI 200m, 3G-SDI 120m.
Framerate/resolution conversion	Support
Audio embedding	Support
Management	Remote control/ PC connection with USB
Power supply	12V, 1A
Consumption	4w
Operation temperature	-20~60°C
Dimension	120*100*26mm (4.72*3.94*1.02" )
Weight	315g (11.1oz)