



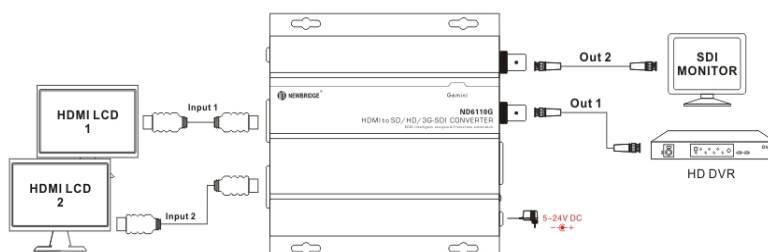
Newbridge ND6110G HDMI to SD/HD/3G-SDI Converter is mainly used in converting one channel high-definition multimedia interface (HDMI) signal to high-definition serial digital component interface (HD-SDI) signal. The device integrates SDI transmitter and HDMI demodulator, and after separate and convert HDMI audio signal, then embed to HD-SDI signal, and achieve the sound and image synchronization transmission. The resolutions of HDMI or SDI would be forced by the console, Our products would offer multi-resolution to choice (1080p60/50/30/25 1080i60/50 720p60/50/30).

ND6110G HDMI to SD/HD/3G-SDI Converter

Features

- The resolutions of HDMI or SDI would be forced by the console
- One piece of 75 Ω Coax. cable can substitute HDMI cable to achieve long distance transmission
- Transmission distance can be up to 120 meters (400 feet Max) for 1080p using RG-6U Cable
- Maintains highest HDMI single link video resolution 1080P@30Hz/60Hz
- Support digital video formats in Deep Color Mode at up to 12bits/color
- Support full HDMI audio and video
- Support external audio embed into SDI signal synchronously
- Power supply and SDI signal format indicator

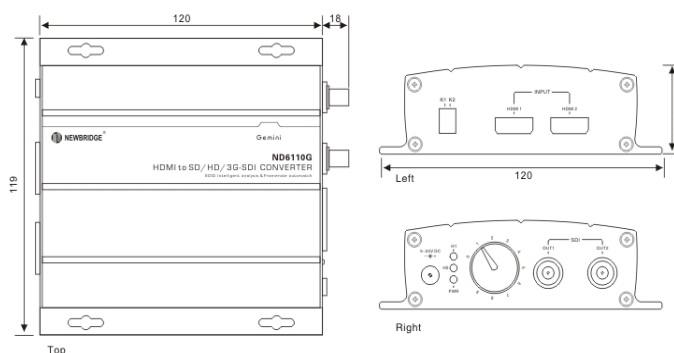
Application Diagram



Specifications

Model	ND6110G
Input Interface	2x HDMI
Audio Input Interface	1 x Audio
Frequency Bandwidth	225MHz/ up to standard with HDCP :HDMI 1.3
Support Input Format	480i,576i,720p@50/60,1080i@50/60,1080p@24/25/30,1080p50/60
SDI Out Interface	2x BNC (SD-SDI/HD-SDI/3G-SDI)
SDI Signal Range	0.8V p-p
SDI Impedance	75 ohms
SDI Coupling Type	AC Coupling
SDI signal jitter (typical value)	SD-SDI ≤ 0.1 UI HD-SDI ≤ 0.2 UI 3G-SDI ≤ 0.4 UI
Manual Control Output Format	1080p60/50/30/25 1080i60/50 720p60/50/30
Max. Output Coax Length	Belden 1694A SD-SDI 400m / 1300ft ; HD-SDI 200m / 600ft ; 3G-SDI 140m / 450ft
Power Supply	12V DC , 1A w/ Locking Power Connector
Power Consumption	3~6 Watts
Operating Temperature	-10° C ~ 60° C / 14° F ~ 140° F
Storage Temperature	-30° C ~ 70° C / -22° F ~ 158° F
Relative Humidity	20~90% RH (Non-condensation)
Dimension	140 x 120 x 36 mm / 5.98 x 4.72 x 1.42 inches
Weight	300g

Dimensions



Order Information

Part No	Description of product	Unit
ND6110G	HDMI to SD/HD/3G-SDI Converter	pcs