HDMI to 3G-SDIs Conversion Box

AVLINK™

H3S-01W

USER MANUAL   V1.0
H3S-01W

Package Contents-
- 1 H3S-01W Unit
- 1 User manual
- 1 Power adapter DC 12V
- 2 Screws
- 4 foot pads
- 1 SDI cable for Balden 1694A 1.2m

Any thing missed, please contact with your vendor.

Introduction
The H3S-01W Converter connect computer with HDMI connector to 3G-SDI monitor or projector. The converter changes your HDMI signal to 3G-SDI graphic signal.

Features
- Use Panel Link digital technology.
- Compliant with the specification of HDMI
- Support high-resolution display up to 1080P@60Hz (25-165MHz).
- Inter-locked power plug for DC supply stably.
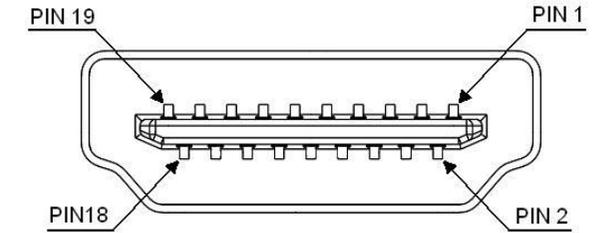- Only supports PCM audio. No supports compressed audio.

Specifications

Function	H3S-01W
Input Connector	1x HDMI (Female)
Output Connector	1x BNC(Female) 75Ω Interlocking Socket
Input HDMI support	1080P@60Hz(Max.)
Output 3G-SDI support	525i@59.94, 625i@50, 720p@50/59.94/60, 1080i@50/59.94/60, 1080p@23.98/24/25/29.97/30, 1080p@50/59.94/60
SDI Standards	SD-SDI , HD-SDI & 3G-SDI
HDMI Cable Distance (Single end)	10 m (Max.)
Power Adapter (Min.)	DC 12V
Housing	Metal
Weight	333g
Dimensions (LxWxH)	150x92x25mm

Note:
Different cable qualify might effect upon the maximum resolution and cable distance.

Technical Specifications Output Signal

Pin #	Signal	Pin #	Signal
1	TMDS Data 2+	11	TMDS Clock Shield
2	TMDS Data 2 Shield	12	TMDS Clock -
3	TMDS Data 2-	13	CEC
4	TMDS Data 1+	14	Reserved (N.C. on device)
5	TMDS Data 1 Shield	15	SCL
6	TMDS Data 1-	16	SDA
7	TMDS Data 0+	17	DDC/CEC Ground
8	TMDS Data 0 Shield	18	+5 Power
9	TMDS Data 0-	19	Hot Plug Detect
10	TMDS Clock+		

FRONT VIEW

1. "HDMI In" Port
2. Control DIP Switch
3. Audio ON LED
4. Video Support LED
5. Power LED
6. Input Power Jack

REAR VIEW

1. "3G-SDI out" Port

Installation

1. Connect the H3S-01W video input HDMI connector with HDMI cable from different video equipment.
2. Connect the BNC extension cable between the monitor and the "3G-SDI Out" port of H3S-01W.
3. Connect the power cord and turn on the H3S-01W.
4. Turn on the HDMI video source device.

Support Vedio Mode

Analog	Resolution	Frequency(Hz)
525i(NTSC)	1440x480	59.94
625i(PAL)	1440x576	50
720p	1280x720	50/59.94/60
1080i	1920x1080	50/59.94/60
1080p	1920x1080	23.98/24/25/29.97/30
1080p	1920x1080	50/59.94/60

DIP Switch Settings

1	OFF	HDMI AUDIO OFF		ON	HDMI AUDIO ON
2	OFF	GROUP 1-2,1-8CH		ON	GROUP 3-4,9-16CH
3,4		OFF,OFF	Group1, 1-2 CH_Group3, 9-10 CH		
		OFF,ON	Group1, 3-4 CH_Group3, 11-12 CH		
		ON ,OFF	Group2, 5-6 CH_Group4, 13-14 CH		
		ON ,ON	Group2, 7-8 CH_Group4, 15-16 CH		
5	Reserved				

*Note1.
Only transmits 2 channel audio from HDMI to SDI at once, even with multi-channel HDMI PCM audio.

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