

User Guide

HD-VLC

GENERAL:

The device can work for not only a HD-SDI transceiver but also HD-VLC transceiver with high performance cable driver.

HD-VLC is a visually lossless codec to achieve long distance transmission. Its data rate is exactly as same SD-SDI(270Mbps). Therefore, achievable cable length is longer than 300m on RG59.

FEATURES:

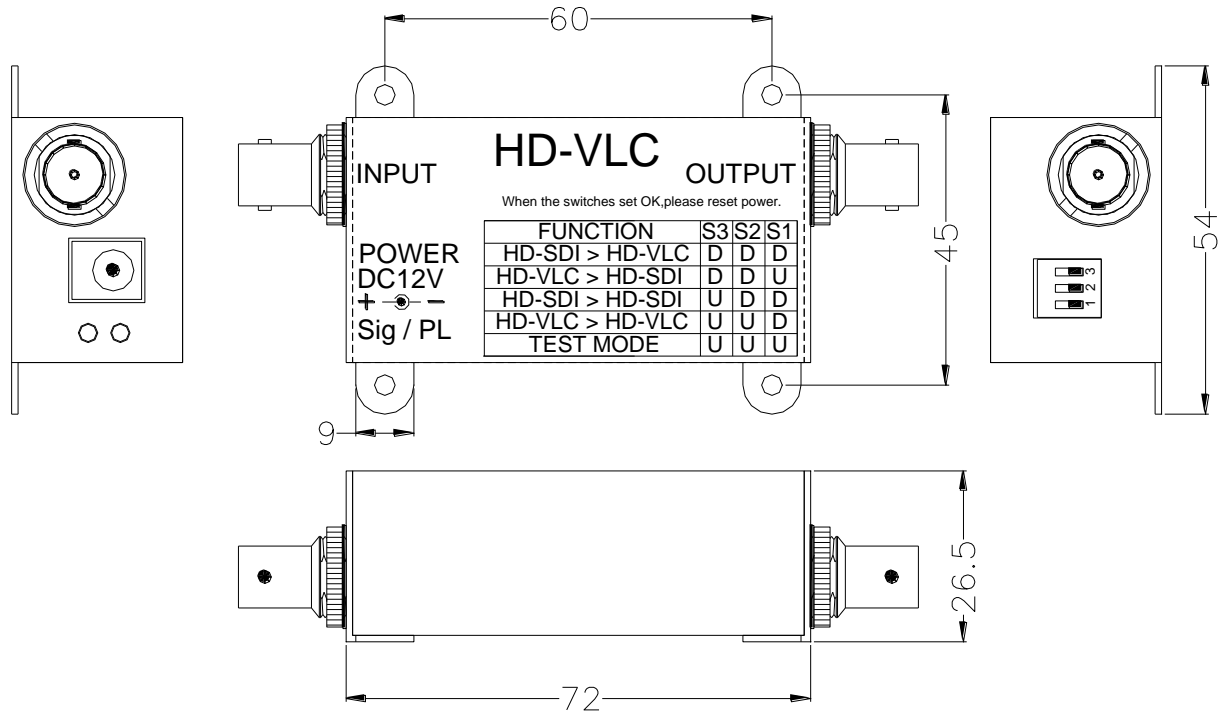
- Supports: 720P (50/60) / 1080i (50/60) / 1080P(24/25/30)
- HD-VLC Encoder/Decoder
- SDI decoder
- Integrated cable driver
- Auto image format detection
- Pattern generator
- Supports: HD-SDI repeater/ HD-VLC repeater/HD-VLC(Tx/Rx)/ test mode.

PACKAGE CONTENT

- Main unit(MHD-61S2S-EX) -----X1
- User manual-----X1

DIMENSION:

unit:mm

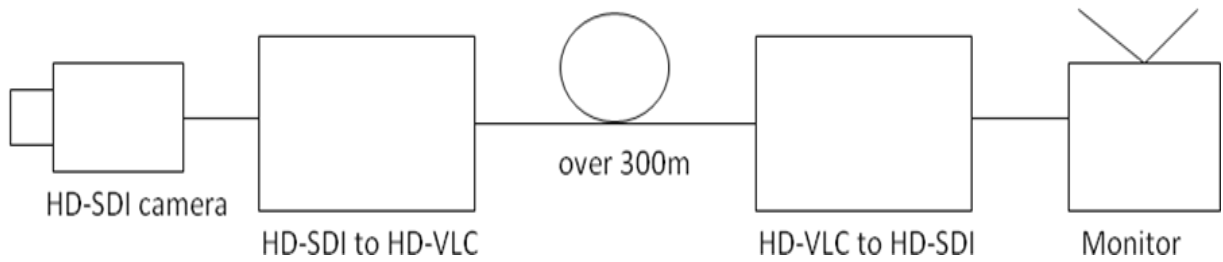


SPECIFICATION:

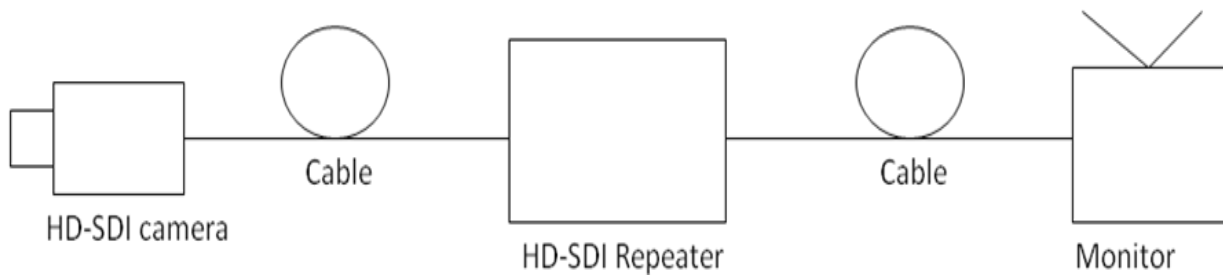
HD-SDI in/out interface	Connectors :BNC 75Ω Cable Impedance:75Ω ± 3Ω Data Throughput: 1.485Gbps (SMPTE 292M) 270Mbps (HD-VLC)																								
DIP-switch	<p>DIP-switch (U:Pull up / D:Pull down)</p> <table border="1" data-bbox="568 593 1287 887"> <thead> <tr> <th>S3</th> <th>S2</th> <th>S1</th> <th>Functions</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>D</td> <td>D</td> <td>HD-SDI→HD-VLC (Tx side)</td> </tr> <tr> <td>D</td> <td>D</td> <td>U</td> <td>HD-VLC→HD-SDI (Rx side)</td> </tr> <tr> <td>U</td> <td>D</td> <td>D</td> <td>HD-SDI→HD-SDI (Repeater)</td> </tr> <tr> <td>U</td> <td>U</td> <td>D</td> <td>HD-VLC→HD-VLC (Repeater)</td> </tr> <tr> <td>U</td> <td>U</td> <td>U</td> <td>TEST MODE (Pattern generator)</td> </tr> </tbody> </table> <p>Power supply must restart when the switches set OK.</p>	S3	S2	S1	Functions	D	D	D	HD-SDI→HD-VLC (Tx side)	D	D	U	HD-VLC→HD-SDI (Rx side)	U	D	D	HD-SDI→HD-SDI (Repeater)	U	U	D	HD-VLC→HD-VLC (Repeater)	U	U	U	TEST MODE (Pattern generator)
S3	S2	S1	Functions																						
D	D	D	HD-SDI→HD-VLC (Tx side)																						
D	D	U	HD-VLC→HD-SDI (Rx side)																						
U	D	D	HD-SDI→HD-SDI (Repeater)																						
U	U	D	HD-VLC→HD-VLC (Repeater)																						
U	U	U	TEST MODE (Pattern generator)																						
Power Supply	Power supply: 12VDC (Center polarity is positive.) Power consumption : 12VDC/80mA																								
Indicators	Power : Red LED Signal : Green LED was turned on when signal didn't connect to BNC.																								
Environmental	Operating Temperature 0°C to 50°C Relative humidity:Up to 85% non-condensing Storage Temperature:-20°C to 70°C																								
<p>Note: Cables propose to use RG59 or RG6 when users need excellent in HD-VLC.</p>																									

CONNECTION DIAGRAM:

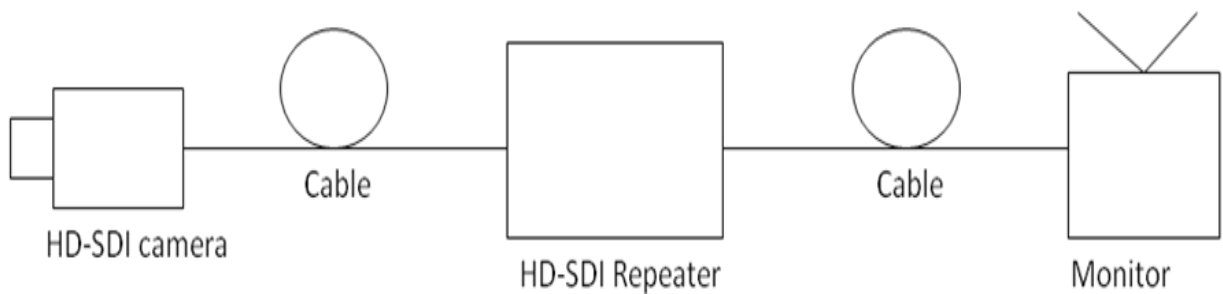
270Mbps (Visually Lossless Codec)



1.485Gbps (SMPTE292M)



270Mbps (Visually Lossless Codec)



Test mode(1080P/30)

