

PureLink

SC-DS1

3G HDMI/DVI to HD-SDI/SDI Video Converter



PureLink™

535 East Crescent Avenue
Ramsey, NJ 07446
USA

Tel: +1.201.488.3232

Fax: +1.201.621.6118

E-mail: sales@purelinkav.com
www.purelinkav.com

For order support, please contact your local dealer.
For technical support, please contact us at support@purelinkav.com

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1-1 Package Contents

Please make sure all of the following items are included in the package:

- 1) SC-DS1 Unit
- 2) DC 5V 3A Power supply adapter
- 3) User manual

1-2 Description, General Specification

Item	Description
Model	SC-DS1
Input Signal	DVI/HDMI
Output Signal	HD-SDI
VIDEO Input format	RGB(444), YCbCr(444), YCbCr(422)
VIDEO Output format	YCbCr(422)
Input format AUDIO	I2S / 48Khz
Receptacle	DC Power Jack for +5V power in the rear panel
Power Consumption	DC +5V, 3A
Dimension	117 x 105 x 33 mm
Weight	1 lbs

1-3 Environmental and Reliability Specifications

[Recommended Operating Conditions]

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Temp.	TA	10	25	+	40
Storage Temp.	Ts	-25	+	60	°C
Storage Humidity	Hs	10	80	RH%	

1-4 Supported I/O Resolutions

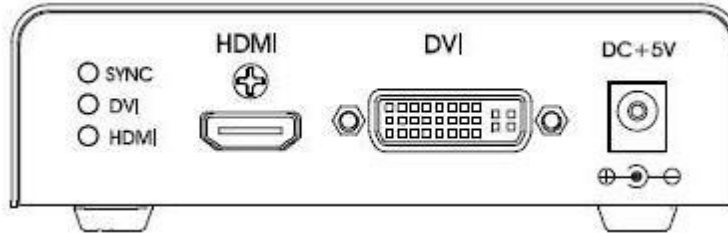
VIDEO INPUT	
Input – Data Format.	DVI/HDMI format RGB(444), YCbCr(444), YCbCr(422)
Input – Connector	DVI-I / HDMI female connector
Input - Resolution	1080p(60/59.94), 1080i(60/59.94,50), 1080p(25/24/23.976) 720p(60/59.94/50), 480i(59.94),

VIDEO OUTPUT		
Output - Data Format	SMPTE format YCbCr(4:2:2)	
Output - Connector	SDI BNC	
Output Signal Resolution	SMPTE-424M	1080p (60/59.94)
	SMPTE-274M	1080i (60/59.94/50)
	SMPTE-296M	1080p (25/24/23.976)
	SMPTE-260M	720p(60/59.94/50)
	SMPTE-259M	480i (59.94), 576i(50)

AUDIO DATA FORMAT	
Data Format	I2S
Sampling Rate	48 kHz

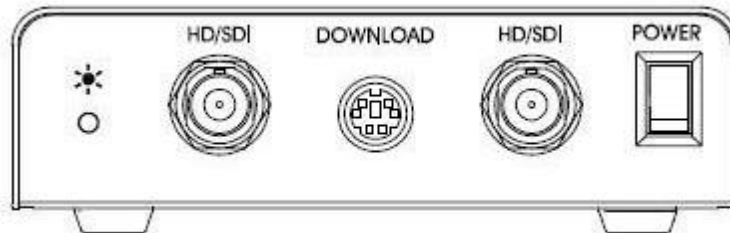
1-5 Panel Descriptions

< Front-Video Input >



- Status indicator LED
 - 1) Video sync detection LED
 - 2) DVI input connection status LED
 - 3) HDMI input connection status LED
- HDMI Input port
- DVI Input port
- 5V power jack

< Rear-Video Output >



- Power switch
- Power indicator light
- Firmware update PS2 port (Programmer use only)
- HD-SDI outputs

1-6 Mechanical Specification



[Dimensions]

- SC-DS1: 117 x 105 x 33 (mm)

[Connector]

- DVI Connector: DVI-I 29-pin female (Digital only)
- HDMI Connector: HDMI female
- HDSDI/SDI Connector: BNC female
- Firmware Download Port: PS2 female

[Power].

- Power: +5V DC Toggle switch ON/OFF

[LED Indicators]

- Power: Power On
- HDMI: HDMI input
- DVI: DVI input

1-7 Technical Specification

[Data rates and Maximum resolution]

Data rates and Resolution	
Input Video Bandwidth	2.97Gbps
Output Video Bandwidth	2.97Gbps
Maximum Input Resolution	1920x1080p/60Hz
Maximum Output Resolution	1920x1080p/60Hz

※The HDMI input is prior to DVI input when HDMI and DVI port is concurrently connected to video source.

1-8 Warranty

PURELINK STANDARD LIMITED WARRANTY For Products purchased directly from PureLink or Dealer, PureLink warrants Products shall be free from defects in workmanship and materials, under normal use and service, for a period of five (5) years on parts and three (3) years on labor for PureMedia and Media Axis Products, (39) months on parts and labor on all PureView products, and three (3) years on parts and labor for all other Products from date of purchase. Any repaired or replaced equipment related to Product shall be covered only under the remaining portion of the warranty. This warranty has no relationship to and exists independently of any warranty offered by Dealer.

PureLink shall repair or replace the Product if it develops a material fault during the period of warranty, on condition that i) the Product has only been subject to normal use in a domestic or commercial environment in a manner consistent with its specification and functionality, ii) the Product has been cared for reasonably and only subjected to reasonable wear and tear, iii) the defect has not been caused by willful or negligent abuse or neglect, or any accident or improper installation procedure, iv) the serial number of the Product has not been altered or removed.

This warranty only applies to the original purchaser, and shall be the exclusive remedy to the original purchaser. PureLink shall not be liable for any damages whatsoever caused by Product or the failure of Product to perform, including incidental or consequential damages. PureLink shall not be liable for any claim made by a third party or made by the purchaser for a third party.

Except as expressly set forth in this warranty, PureLink makes no other warranties, expressed or implied, including any implied warranties of merchantability and fitness for a particular purpose. PureLink expressly disclaims all warranties not satisfied in this limited warranty. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty. This warranty statement supersedes all previous warranties.