OPTICIS

SPIDER™

HDMI and DVI to 3G-SDI Video Converter
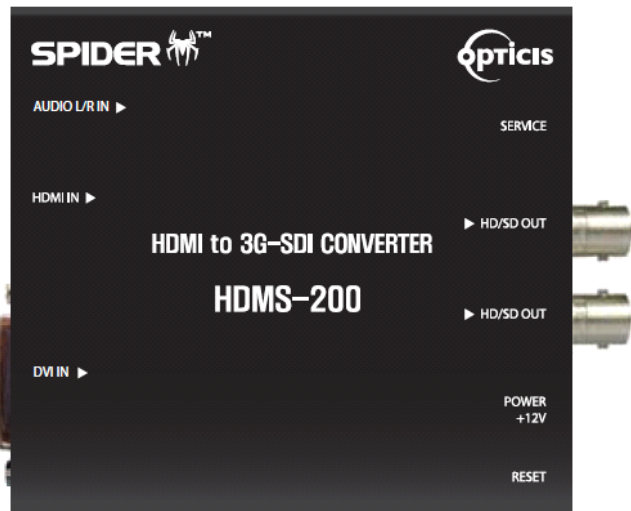
User's Manual
HDMS-200

Doc No. : OC-HD210223 / Rev1.2

CONTENTS

Specification

ITEM	DESCRIPTION
Input Signal	HDMI, DVI
Output Signal	SDI
VIDEO Input format	RGB(444), YCbCr (444), YCbCr (422)
VIDEO Output format	YCbCr (422)
Input format AUDIO	Standard Analog Audio L/R
Power	5~24V DC
Power Consumption	7W
Dimension (WDH)	106.6 x 96 x 26.2 (mm)

Supporting resolution

SMPTE	Video Formats
SMPTE-425M	3G : 1920*1080p(60/59.94/50)
SMPTE-274M	HD : 1920*1080i (60/59.94/50)
SMPTE-274M	HD : 1920*1080p (30/29.97/25/24/23.98)
SMPTE-296M	HD : 1280*720p (60/59.94/50)
SMPTE-125M	SD : 601*525i (486_ NTSC)
SMPTE-125M	SD : 601*625i (576_PAL)

Supporting resolution

Installation

STEP1
  Plug the AC/DC adapter to AC inlet and connect to receptacle on the product.

STEP2 (HDMI)
  Connect HDMI source to HDMI input port of HDMS-200 with HDM cable. If necessary, connect the audio cable to audio jack.

STEP2 (DVI)
  Connect PC or DVI source to DVI input port of HDMS-200 with DVI cable. If necessary, connect the audio cable to audio jack.

  Note.1
    Please see the D/P switch function as below.

STEP3
  Connect SDI display to SDI output port of HDMS-200 with SDI coaxial cable.

  Note.2
    HDMS-200 has two (2) SDI outputs.

  Note.3
    HDMS-200 does not have scaling up/down feature. It just converts HDMI or DVI to SDI format with same resolution and refresh ratio.

Firmware update

STEP1
  Please "Off" D/P switch No.2 to set the firmware mode. Then, plug in the adaptor.

STEP2
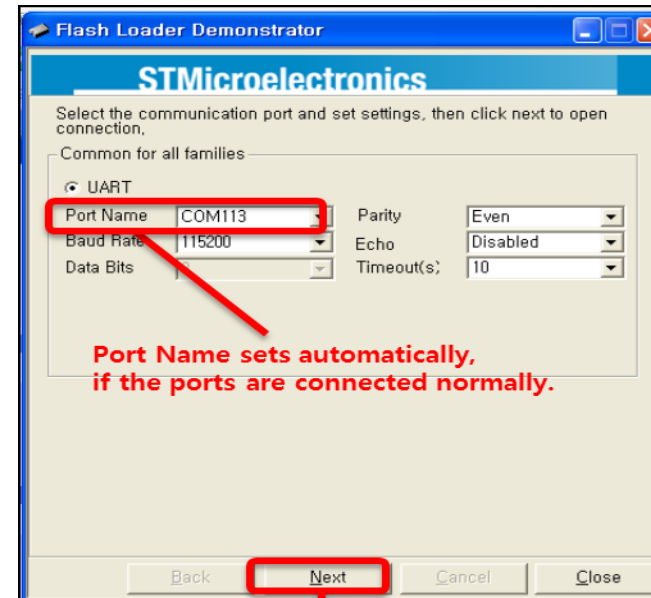 Connect Service port of New HDMS-200 and PC using a download cable.

STEP3

  Install the Flash Loader Demo file.

STEP4
  Check the PortName and Click the Next button as below.

STEP5
Click the Next button as below
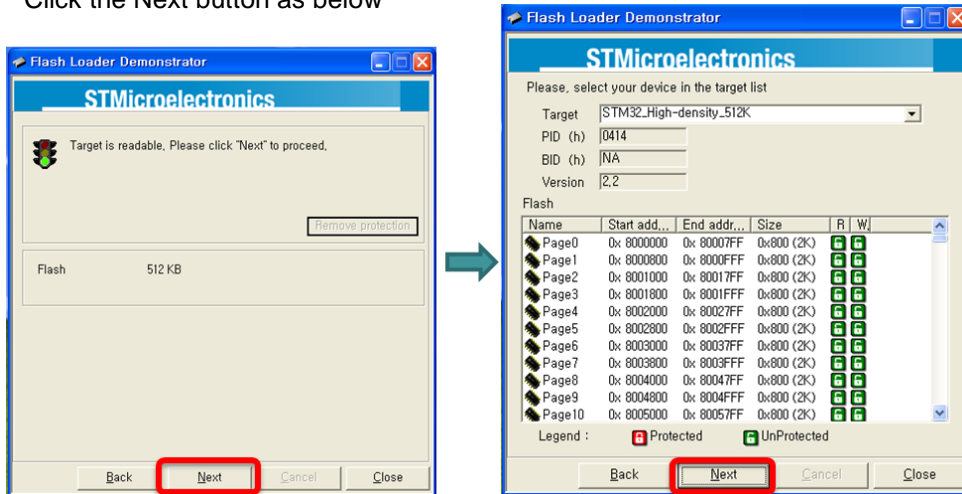
STEP6
Click ①, Open of 'Download to device' to select directory and file (hex. format) to be uploaded.
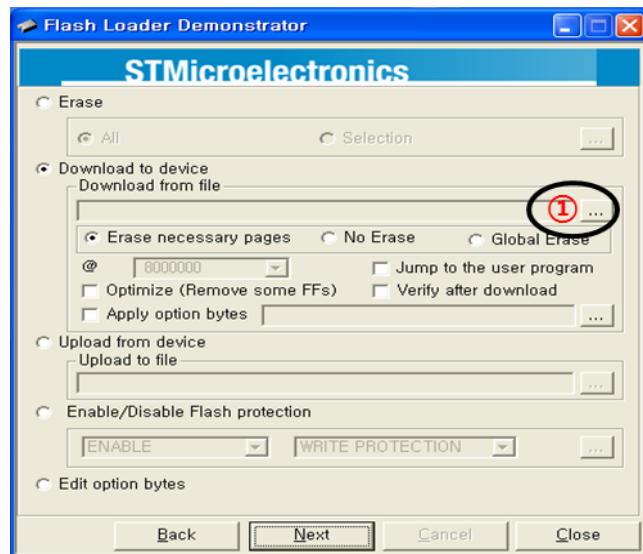
1-6 Firmware update (continued)

STEP7
Please check the file and Click the Next button as below

STEP8
Then, the firmware will be uploaded and click the Close button, if it's completed.

STEP6
Please close the program and "On" D/P switch No.2 again to run it under new firmware.

1-7 Firmware update

Warranty Information

1 (One) Year Warranty

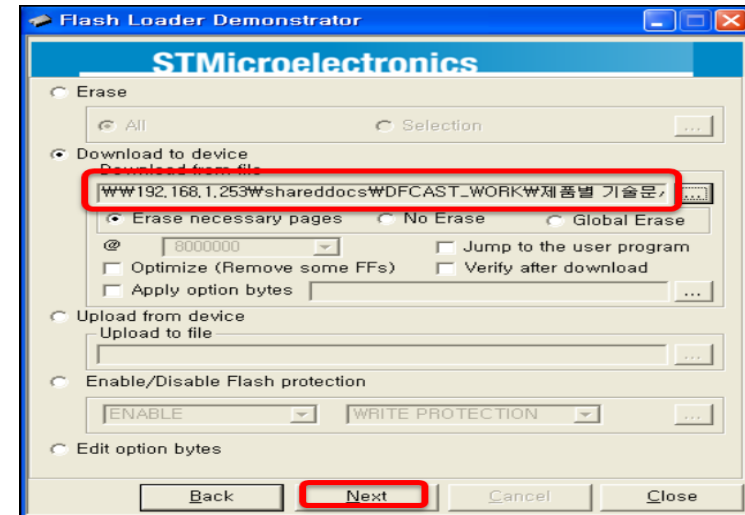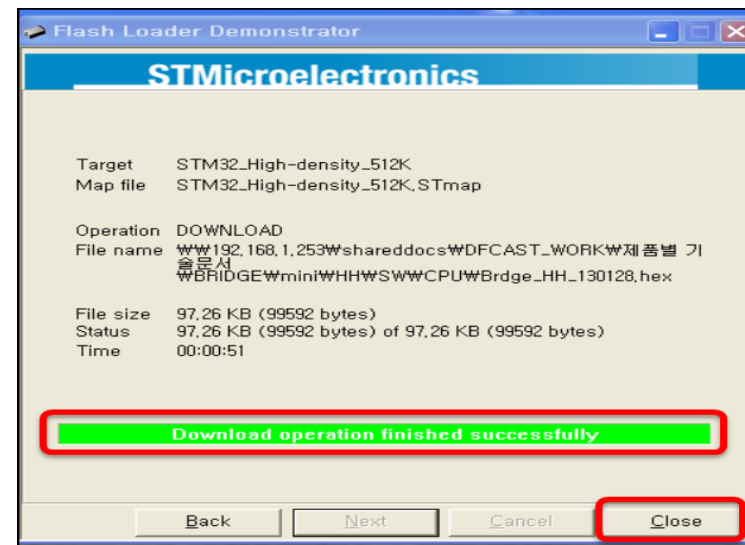OPTICIS warrants OPTICIS HDMS-200 HDMI to 3G-SDI converter to be free from defects in workmanship and materials, under normal use and service, for a period of one (1) year from the date of purchase from OPTICIS or its authorized resellers.

If a product does not work as warranted during the applicable warranty period, OPTICIS shall, at its option and expense, repair the defective product or part, deliver to customer an equivalent product or part to replace the defective item, or refund to customer the purchase price paid for the defective product.

All products that are replaced will become the property of OPTICIS.

Replacement products may be new or reconditioned.

Any replaced or repaired product or part has a ninety (90) day warranty or the reminder of the initial warranty period, whichever is longer.

OPTICIS shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to OPTICIS for repair under warranty or not.

Warranty Limitation and Exclusion
OPTICIS shall have no further obligation under the foregoing limited warranty if the product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorized modifications, tampering, alterations, or service other than by OPTICIS or its authorized agents, causes other than from ordinary use or failure to properly use the Product in the application for which said Product is intended.

Troubleshooting

Problem	Remedy Actions
Converter does not Operate	Make sure the 12V power supply is plugged firmly to DC receptacle and AC inlet. Check if the white LED light is on.
No picture (or signal) Or Poor picture	1. If you are using copper based HDMI or DVI cable, overall length should not exceed 20ft. Longer than this will result in no or poor picture quality. To extend beyond 20ft, please use fiber optical HDMI or DVI extension cables. 2. Make sure all HDMI, DVI, SDI connectors are tightly secured to all HDMI, DVI, SDI ports. Loose plugging on the connectors will result in no or poor picture. 3. Reboot the converter.
Incorrectly sized picture / resolution or No picture	Reset HDMS-200 by pressing the reset button.

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For order support, please contact your Distributor or Reseller.

For technical support, check with the our website www.vigillink.com
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