

Installation and Operation Manual

FDVGA-SDI

VGA to HDSDI Converter





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For the most current copy of all product manuals, please visit our website at
www.FlightDisplay.com

For additional support, please visit our Frequently Asked Questions section located on our
web site Support Center at <http://support.FlightDisplay.com>.





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General Information

Functionality

The FDVGA-SDI converter receives a single VGA input and converts it to a HDSDI output. The converter provides the ability to interface moving map CPU's and laptops to HDSDI switches or displays.

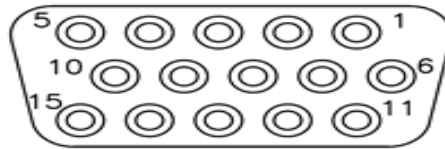
Specifications

Dimensions	7.03'' x 1.15'' x 4.26''
Weight	1Lb.
Power	28V DC @ .5A
Operating Temperature	-20° C to 60° C
Video Input	640x480, 800x600, 1024x768
Video Output	720P

Pinout : DB15 Power (Supplied)

Connector
 Crimp Contacts

P/N: M24308/2-286 or Equivalent
 P/N: M39029/57-354 or Equivalent



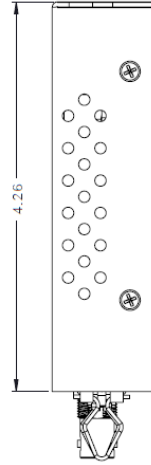
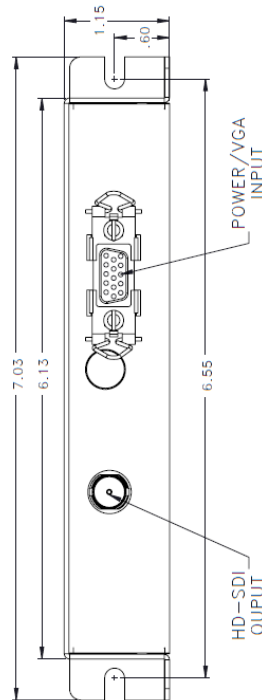
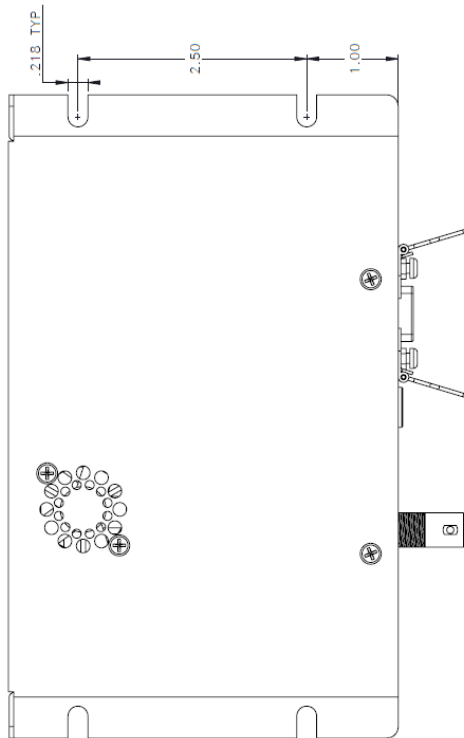
MATING FACE

Pin Number	Description
1	RED
2	GREEN
3	BLUE
4	28V RETURN
5	SIGNAL GROUND
6	RED SHIELD
7	GREEN SHIELD
8	BLUE SHIELD
9	SYNC SHIELD
10	SYNC SHIELD
11	+28V POWER IN
12	SDA
13	HORIZONTAL SYNC
14	VERTICAL SYNC
15	SCL

Technical Drawing

REV	DESCRIPTION	DATE	BY	APD
01	ORIGINAL ISSUE	XX-XX-XX	XXX	XXX

NOTES:



DATE	DATE	DATE	DATE	DATE
XXX	XX-XX-XX	XXX	XX-XX-XX	XXX

TOLERANCES:
 3 PLACE DECIMAL ± .010
 2 PLACE DECIMAL ± .020
 1 PLACE DECIMAL ± .050

FINISH: STP-2.102
 TYPE XX

SCALE: XXX
 SHEET 1 OF 1

DRAWING NO.: XXX
 MATERIAL: XXX
 REVISION: XXX

FLIGHT DISPLAY SYSTEMS



HD-SDI

HD-SDI Output is a panel mounted BNC receptacle that mates with a standard BNC plug (Amphenol 112133 supplied).

Technical Support

Should you have any questions concerning this product or other Flight Display Systems products, please contact our Product Support representatives at (470) 239-7421.

Flight Display Systems
6435 Shiloh Road
Alpharetta, GA 30005
Phone: 470-239-7400
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Email: sales@FlightDisplay.com

For further product information, technical data and sample wiring diagrams, please click on the **Dealers** section of our web site at www.FlightDisplay.com

Instructions for Continued Airworthiness

The FDVGA-SDI converter is designed not to require regular general maintenance.



Warranty Information

All Flight Display Systems (FDS) products are warranted to be free from material or manufacturing defects for a period of 24 months from the date of shipment for General Aviation customers or 12 months from the date of shipment for Government/Special Mission customers. Any material or repair workmanship for in warranty repair service will be specifically warranted for 90 days or the remainder of the original warranty period, whichever is longer. If the original warranty period has expired, the 90 day repair warranty is limited to the material and workmanship specific to the repair activity completed.

The following conditions are exclusions to warranty coverage:

1. Labor costs associated with installation, removal or reinstallation of any product.
2. Damage to or malfunction caused by any unauthorized alteration made to the product.
3. Resolving signal quality issues caused by externally generated noise introduced by aircraft electrical systems or other components connected to any FDS product.
4. Any malfunction caused by improper installation or connection to aircraft wiring, industry standard cabin management/ inflight entertainment systems, or third party commercial equipment not specifically identified as compatible with FDS products.
5. Any malfunction caused by installation that does not conform to precautions associated with operating environments listed in the operating manual or consistent with industry best practices such as; high temperature, adequate ventilation, high humidity, high dust, or power surges.
6. Cosmetic damage or damage to internal components caused by installation or removal, failure to follow installation or operating instructions, or any neglect or misuse of the product.
7. Any product that is returned for service with a broken tamper evident seal, indicating tampering or improper handling of the product by an unauthorized person. Violation of product tamper evident seals or modification of factory installed serial and PMA labels voids any warranty, either expressed or implied.

The FDS technical support team is available to provide distance troubleshooting support during business hours (8:00am to 5:00pm EST) Monday through Friday at (470) 239-7421.

Many repair requests can be resolved through distance support and may not require return of merchandise to the factory. If a product must be returned to the factory for repair, an RMA number will be issued as directed by the technical support team and communicated by the repair coordinator.

Upon request by the customer, FDS may send a service technician onsite to repair any non-PMA products. The travel expenses incurred to include transportation, lodging and meals along with the technician's hourly rate shall be payable by the customer in accordance with FDS' applicable rates and procedures.

Flight Display Systems will, upon receipt of returned merchandise, remanufacture or replace the unit at our discretion and return the product by Ground Return Shipping. Express return shipment will be the responsibility of the sender.

This warranty is not transferable.

Any implied warranties expire at the express limited warranty expiration date. FDS shall not be held liable for any indirect, special, punitive, incidental or consequential damages.

Some states do not allow limitation on the length of an implied warranty. In such states, the exclusions or limitations of this limited warranty may not apply.



Log of Revisions

Rev	Date	Page	Description
A	11/05/2012		Initial Release
B	09/10/2014	2,7,8	Updated address, phone number, and warranty info

