

## Warranty

Digital Security Controls Ltd. warrants that for a period of 12 months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

**WARNING:** Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected

**IMPORTANT INFORMATION:** Changes or modifications not expressly approved by Digital Security Controls Ltd. could void the user's authority to operate this equipment.

## FCC Compliance Statement

**CAUTION:** Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the Instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D. C. 20402, Stock # 004-000-00345-4.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation



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## HS-VH1402DSS

1x4 Passive Video Module with  
Dual LNB DSS Connections

## Installation Instructions

### Introduction

The HS-VH1402DSS is a 1 x 4 passive video module combined with DSS dual LNB pass-through connections on the same mounting plate for use with the DSC Concourse Home Wiring Systems Solution. The passive video module features one CATV//ANT input and four outputs for multi-room video signal distribution. The passive video module can also be used as a 4 input to one output video combiner. The DSS pass-through connections provide a convenient interface between a satellite dish and two receivers. All connectors use "F" style fittings.

### Contents of Package

Qty 1 1 x 4 Video Module and dual LNB pass-throughs on a mounting plate

### Specifications

#### RF Splitter

Bandwidth (MHz)	5 – 40	40 – 400	400 – 600	600 – 1000
Insertion Loss	6.5 dB (max)	7.0 dB (max)	7.0 dB (max)	8.0 dB (max)
Isolation P to P	20 dB (min)	25 dB (min)	25 dB (min)	20 dB (min)
Return Loss	18 dB (min)	20 dB (min)	22 dB (min)	22 dB (min)
Impedance	75 Ohm			
RFI Shielding	-125 dB			
Power Passing	None			

#### LNB DSS Connections

Bandwidth (MHz)	5-2050
Insertion Loss	0.1 dB (max)

### Installation Instructions

1. Select a suitable mounting location for the HS-VH1402DSS module inside the cabinet. The upper left corner of the cabinet is recommended.
2. Align the mounting tabs with the slots in the wire raceway and insert. See Figure 1.
3. Snap the module into place by pushing the opposite side towards the back of the cabinet.

## Important:

All requirements for installation of coaxial cable should be met for proper operation of connected equipment. Do not strip off cable sheathing more than required for proper termination. Do not kink or knot cable. Do not crush cable with cable ties. Do not bend cable at right angles or create any other sharp bends. All cable bends should have a minimum of a 2" radius.

## Wiring Instructions

### A. Incoming Service Cables

1. Route the incoming service cables into the cabinet through the raceway to the HS-VH1402DSS Module. Allow sufficient length at both ends of the run to avoid stress and for termination and trim out.
2. Attach an RG6 "F" style connector to each incoming service cable. Connect the terminated incoming service cables at the terminal marked "IN" on the video module and at the DSS fittings as appropriate.
3. Test all connections to confirm proper installation and termination.

### B. Outlet Cables

1. Home-run RG6 coax cable to each desired outlet location and route the cables into the cabinet through the raceway to the HS-VH1402DSS module. Allow sufficient length at both ends of the run to avoid stress and for proper termination and trim out. Label each cable run at both ends for easier identification.
2. Terminate each RG6 drop at the desired outlet location using an RG6 "F" style connector. Attach the connector to an RG6 "F" style jack and trim out using the appropriate wall plate. If using a multiple outlet wall plate mark the jack accordingly.
3. Terminate each RG6 drop at the HS-VH1402DSS module using an RG6 "F" style connector. Connect the terminated drops to the terminals marked "OUT" on the video module and at the DSS connectors as appropriate.
4. Terminate any unused "OUT" terminals with a 75 Ohm terminator.
5. Test all connections to confirm proper installation and termination.

### C. Video Module as Combiner

When used with an HS-VH400, an HS-VH1800 or an HS-VA800 video module, the passive splitter of the HS-VH1402DSS can be used to combine and distribute external (CATV/ANT) and internal (e.g., CCTV) video signals.

1. Apply the 'INPUT' label to the passive splitter on the HS-VH1402DSS.
2. Route the incoming CATV/ANT service cable(s) into the cabinet through the raceway to the HS-VH1402DSS. Allow sufficient length at both ends of the run to avoid stress and for proper termination and trim out.

3. Route the incoming modulated internal video cable(s) into the cabinet through the raceway to the HS-VH1402DSS module. Allow sufficient length at both ends of the run to avoid stress and for proper termination and trim out.
4. Attach RG6 "F" style connectors to the incoming CATV/ANT service and internal modulated video cables. Connect the terminated incoming service and internal modulated cables at the terminals marked "IN" on the passive video module.
5. Make up an RG6 patch cord of sufficient length to connect the "OUT" terminal of the HS-VH1402DSS to the black "IN" terminal of the HS-VH400 or HS-VH1800 or the white "INPUT" terminal of the HS-VA800. All drops to outlets will terminate at the black "OUT" terminals of the HS-VH400 or HS-VH1800 or at the white "OUTPUT" terminals of the HS-VA800.
6. Terminate any unused "IN" terminals with a 75 Ohm terminator.
7. Test all connections to confirm proper installation and termination.

Figure 1 - Installation

