



Fact Sheet

VDSU-1420

High-Definition Video Management System

Features

- ◆ 10x High-definition inputs
- ◆ 4x Analog inputs
- ◆ 8x High-definition switchable outputs
- ◆ Numerous HD resolutions supported
- ◆ Add-on to the VDSU-1407

The VDSU-1420 is a high-definition video distribution unit that is designed to complement the existing Skyquest product line. The unit will allow up to 10 HD inputs to be sent out to any of the 8 HD outputs. This channel switching is achieved via commands over a databus from Skyquest displays or control panels. The unit serves as an enhancement to the existing standard definition VDSU-1407, and when combined together, will give the end user a complete video management system for all of latest video formats required on today's surveillance aircraft.

The VDSU-1420 mounts directly to the VDSU-1407. Connection between the two boxes is via the remote connector for control. There is also a connection for SD video to be routed to the VDSU-1420 to allow for upscaling to SD-SDI.

There will be a future option available for a high-definition quad-view, allowing the user to display four images from four HD sources on a single screen, providing all the valuable mission data without the need to change channels.



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Sales Info: sales.cwembedded.com

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Technical Specifications

Video Inputs

- ◆ 4x Differential HD-SDI on two Quadrax connectors, 100 Ω -terminated
- ◆ 6x HD-SDI on six BNC connectors, 75 Ω -terminated
- ◆ High-definition inputs supported
 - HD 1280x720p25
 - HD 1280x720p30
 - HD 1280x720p50
 - HD 1280x720p60
 - HD 1920x1080p25
 - HD 1920x1080p30
 - 3G 1920x1080p50
 - 3G 1920x1080p60
- ◆ 4x analog inputs on an 18-pin D38999 connector, 75 Ω -internally terminated
- ◆ Analog inputs supported
 - PAL
 - NTSC
 - SECAM

Video Outputs

- ◆ 8x HD-SDI outputs on BNC connectors.

Power

- ◆ 28 VDC
- ◆ Weight: TBD (estimated to be around 2kg)

Part Number for Ordering

- ◆ VDSU-1420-01
(Note: Quad option not available at this time)