

## V6153 &amp; V6154



## 8 &amp; 16 Output HD/SD-SDI Distribution Amplifiers.



## FEATURES

- Wideband multi-format supports data rates from 143Mb/s to 1.484Gb/s
- Front panel and remote status monitoring
- Fully compatible with existing V1600 Series rack frames
- Can be freely mixed with other V1600 Series modules

These Distribution Amplifiers have been designed to fit within the existing V1600 rack frames, providing an easy mix 'n' match approach to integrating both SD and HD signals in a common environment.

The DAs can be set (link select) in either reclocking or non-reclocking modes.

The performance characteristics of these units allow them to function with a wide variety of data rates, while the ability to disable the reclocking functions allow for use with non-standard data rates as well.

In common with other V1600 modules, the DAs are fully hot pluggable, and have no active electronics in the rear modules. Status monitoring is provided on the front panel, and can also be reported remotely via Vistek's DART control.

# Technical Specification

## Input Format

SMPTE 259M (Data rates: 143Mb/s to 540Mb/s, DVB-ASI @ 270Mb/s)  
 SMPTE 292M (Data rates: 1.485Gb/s, 1.485/1.001Gb/s)

Input signals One co-axial SDI input  
 Connector BNC  
 Impedance 75 Ohm  
 Return loss >15dB, 5MHz to 1.5GHz  
 Equalized cable length 0-250m @ 270Mb/s (Belden 8281)  
 0-100m @ 1.485Gb/s (Belden 1694A)

## Output Signals

Eight reclocked, co-axial SDI Outputs

Connectors BNC  
 Impedance 75 Ohm  
 Return loss >15dB, 5MHz - 1.5GHz  
 Jitter performance <0.2UI  
 Amplitude 800mV peak-to-peak (terminated)  
 Drive capability >250m @ 270Mb/s (Belden 8281)  
 >100m @ 1.485Gb/s (Belden 1694A)

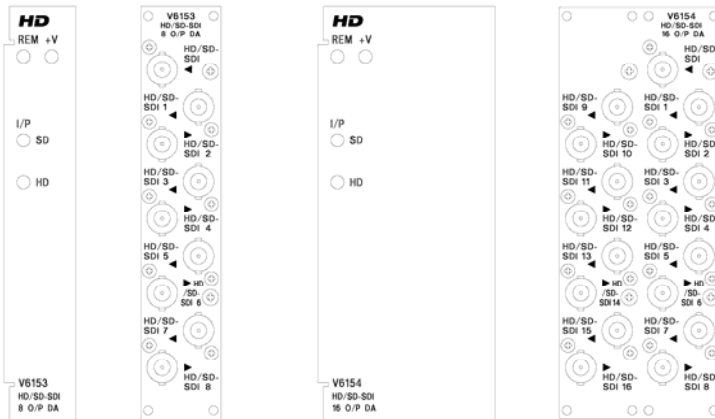
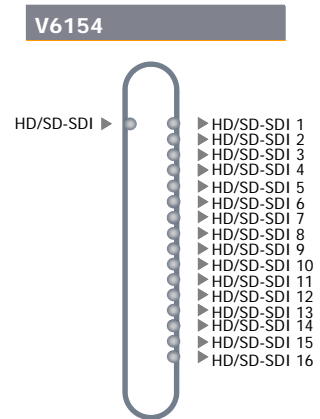
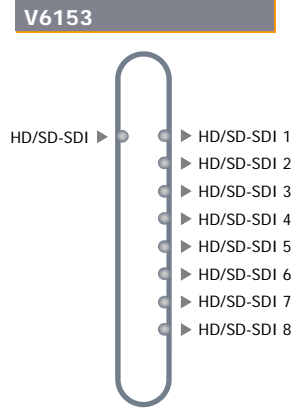
## Ordering Information

V6153	8 Output HD-SDI Distribution Amplifier
V6154	16 Output HD-SDI Distribution Amplifier

The price quoted includes one rear module. Please specify type required when placing order:

V16HR3F	3U Module for V6153 (2 required for V6154)
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Note: Special versions of rear module are available on request.



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