



VSA-100

Smart Video Skew Adjuster

Compensates for skew caused by long runs of twisted pair cable

OVERVIEW

The VSA-100 is a smart adjuster that compensates for skew delay between any Red, Green Blue (RGB) signals transmitted over a twisted pair cable. Any CAT5 or CAT6 cable can introduce delay between the pairs, due to the varying lengths of each pair. The delay causes color distortion and improper alignment, and skew delay increases as the length of the cable increases. The VSA-100 corrects the skew of each color independently, making it the perfect skew correction tool. It can be used with any of SmartAVI's CAT5 and CAT6 products, including our full line of video extenders, splitters and switches.

FEATURES

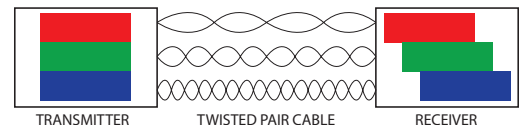
- Aligns the RGB of any analog video signal
- Each color can be adjusted individually
- Supports UXVGA and Y-Pb-Pr
- 62 nano second total delay
- 2 nano second delay step increments
- Memorize and Button Lock functions
- Digitally saves settings and remembers last state
- Compatible with most of the SmartAVI extenders

APPLICATIONS

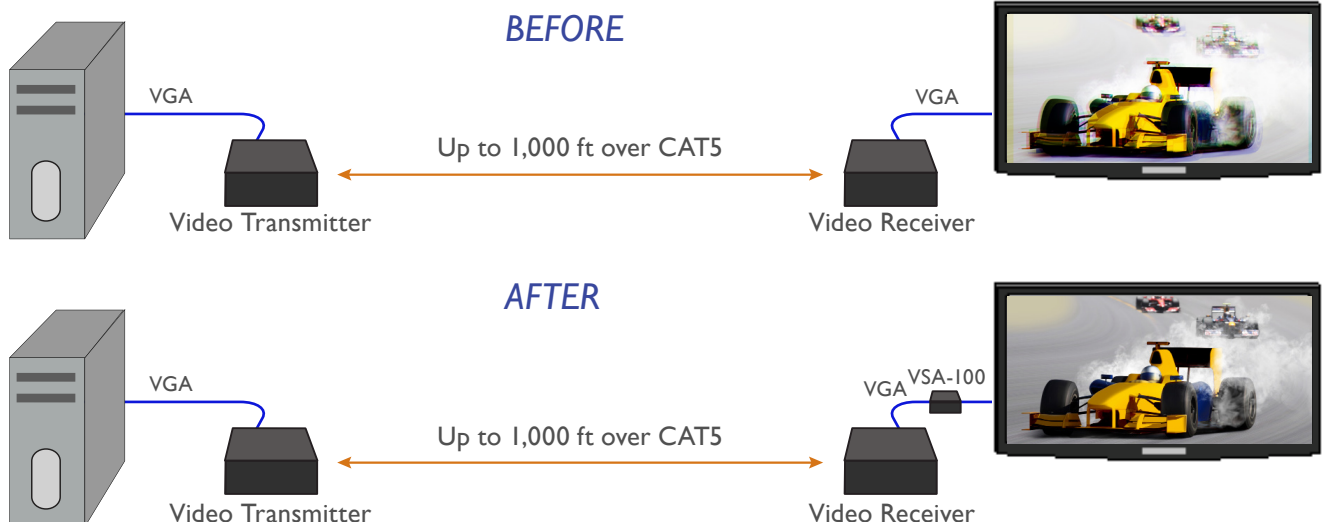
- Corporate or Educational Presentations
- Financial (Remote Servers/User Control)
- Call Centers
- Industrial (Long-Range Workstation Isolation)
- Information Terminals/Kiosks
- Airport Installations (Air Traffic Control/Passenger Information)
- Educational Environments with remote displays

What is Skew Delay?

CAT5 and CAT6 cables have pairs of wires that are twisted at different rates, and some pairs are longer than others. Because RGB signals are sent along different pairs, there is a delay in the arrival of the signals at the receiver. This results in color separation and degradation of the image quality. The longer the cable, the worse the skew delay.



APPLICATION DIAGRAM



SPECIFICATIONS

VSA-100 Front



VSA-100 Back



VIDEO

Format	VGA RGB Analog (75Ω, 0.7Vp-p)
Resolution	Up to 1600x1200 @ 85Hz/2048x1536 @ 60Hz
Input Interface	(1) HD-15 Female
Output Interface	(1) HD-15 Female
Total, Step Delay	62ns, 2ns
H Frequency Range	30-95KHz
V Frequency Range	50-180Hz

MECHANICAL

Power	External 5VDC2A
Dimensions	5"W x 1.25"H x 2.5"D
Weight	0.3 lbs.
Approvals	Device: CE, ROHS Power Supply: C-UL US, CE

Part No.	Description
VSA-100S	Skew for all VGA receivers Includes: [VSA-100, (CCVGAMM06), and (PS5VD2A)]

Many leading companies have recognized and embraced the innovation of SmartAVI's technologies and have successfully incorporated them into their organizations. Users of SmartAVI include:



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