

**Products**
[Home](#) > [Products](#) > [Dedicated AV](#) > [Distribution Amplifiers](#) >

- Specifications
- Diagrams
- Accessories


**ISO 9001:2000**  
 Certified

## DA103-217

### VGA Line Driver/Receiver



- Restores video using up to 250ft (76m) long cable
- Simple Video Equalization and gain controls
- Replaces the commonly used 3 position slide switch with continuous adjustment controls
- Automatic Gain Control for horizontal and vertical sync signals
- Selection of internal or external EDID (Plug & Play) switch
- Can be installed as line driver or receiver
- Compact size for easy installation behind a display or in the ceiling
- Solid Metal Enclosure
- Comes with 18-inch Male to Male VGA Cable
- Low profile external power adaptor

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 (Please include your email address if you  
 would like us to respond.)

[User Guide](#)
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The **DA103-217** is a high performance VGA-UXGA (HD-TV) line driver/receiver, designed to solve common video challenges during AV system installations: smearing video, unstable sync, low image contrast, and mismatched resolution between a laptop and a display. Compact and easy to use, the **DA103-217** is perfect for any small space, including behind a wall mounted LCD display, in the ceiling, and under a conference table.

The **DA103-217**, when used as a VGA line driver, has circuitry to buffer Extended Display Identification Data (EDID) signals to preserve Plug and Play compatibility, amplify video and sync signals and transmit them more than 150ft over regular VGA coaxial cable maintaining 1600 x 1200 resolution. When the unit is installed as a receiver, the built-in equalization control and gain control circuitry makes it possible to recover degraded VGA signals as far as 250ft away. The automatic gain control (AGC) feature further improves the display quality by automatically adjusting any horizontal and vertical sync signals coming in and converting them to the proper format for the display. Instead of using a 3-position slide switch, the **DA103-217** is equipped with continuous adjustment controls to help find the optimum setting for a specific cable length.

The built-in EDID emulator enables the unit to emulate any monitor or projector and adjust the laptop's video card output to be compatible with the display's resolution. When a switcher or amplifier is used, the EDID feature integrated within the **DA103-217** and the EDID Blaster software developed by Altinex solve the problem when the EDID information from the display is not transmitted back to the laptop.

An 18-inch Male to Male VGA cable is provided with the unit for easy hookup to a display or a laptop.

For more details about **DA103-217**, check out [AP-016: Versatile DA103-217 Solves Challenging Installations Requirement](#).

### Product Views

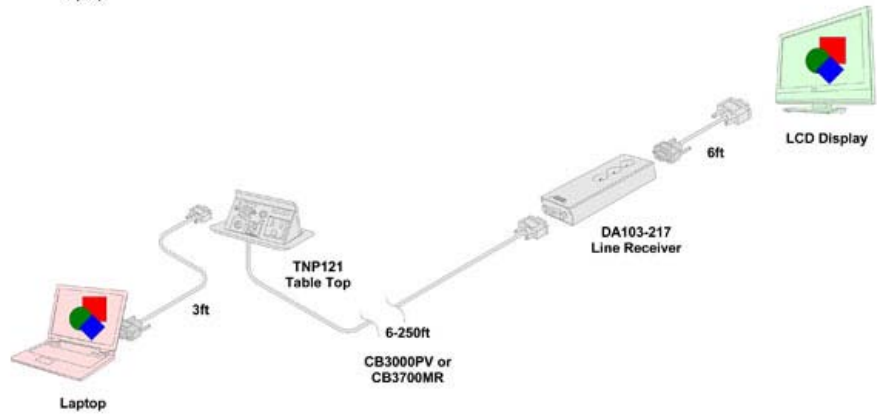
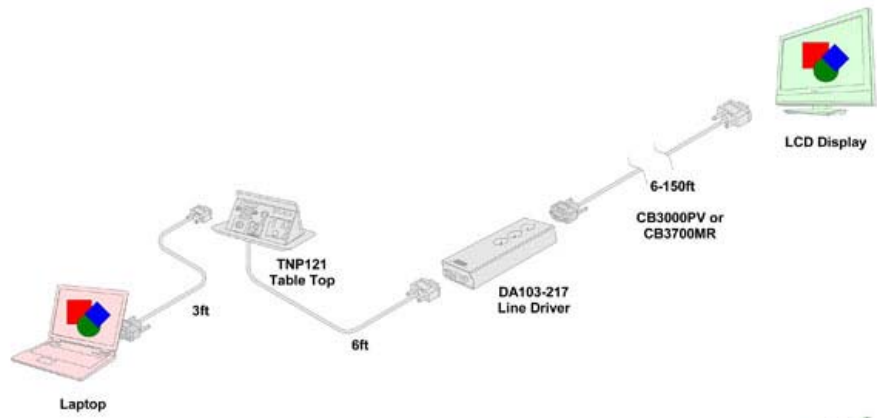

**Closer View**

**Included Accessories**

## Specifications

GENERAL	ELECTRICAL
<b>Inputs</b>	<b>Video Adjustments:</b>
VGA: (1) 15pin HD female	Gain: 0 to 3dB
<b>Outputs</b>	Sync Threshold: 0.5 to 4.5 V
Video: (1) 15pin HD female	Equalization: Up to 250ft (76m)
<b>Power</b>	<b>Input</b>
DC Power (adapter): (1) DC power jack	Video Signal: 1.4Vp-p max.
<b>Compatibility</b>	Video Impedance: 75ohms
Video signal Resolutions: VGA through UXGA, 480p through 1080i	Sync Signal: TTL (+/-)
Signal Types: RGB, RGsB, RGSB, RGBHV, YPbPr, HDTV component video (with adapter)	Sync Impedance: 10kohms
EDID Memory: Selectable for internal or external	Sync Threshold: 4.5V nominal
	<b>Output</b>
	Video Gain: 0dB +/- 0.5dB nominal
	Video Impedance: 7ohms
	Sync Signal: TTL (+/-)
	Sync Impedance: 22ohms
	Sync Polarity: Plus or Minus (follows input)
	<b>Power Consumption</b>
	+9V, 250mA
	Total Power: 2.25W max.
<b>MECHANICAL</b>	<b>ACCESSORIES</b>
Material: 0.05in Al	<b>Included:</b>
Color: Silver	1x Video Cable M-M, 18in
Height: 0.7in (18mm)	1x Power Adapter: +9VDC, 1.1A
Width: 3.8in (97mm)	<b>Optional:</b>
Depth (excludes connectors): 1.6in (41mm)	Ultra-Thin VGA Video Cable: <a href="#">CB3000PV</a> series
Product Weight: 0.2lb (0.1kg)	
Shipping Weight: 1.0lb (0.5kg)	
T° Operating: 10°C-35°C	
T° Maximum: 0°C-50°C	
Humidity: 90% non-condensing	
MTBF (calculations): 40,000 hrs (min.)	

## Application Diagram



[Click the icon or the image above for larger view](#)

Specifications/Diagrams subject to change without notice.