

# VGA / Audio Cat 5 Extender

## VE170 / VE170Q

- The VE170 VGA / Audio Cat 5 Extenders, consisting of a transmitter (VE170T) and receiver (VE170R), are cost-effective and efficient solutions for sending and receiving high quality audio/video content over long distances. Simply connect the transmitter to the receiver via one Cat 5e cable, and a VGA display or projector can be located up to 300 m (1000 ft) away from the video source.

The VE170Q package consists of a transmitter (VE170T) and receiver (VE170RQ), which includes ATEN's patented Deskew™ technology that supports resolutions up to 1280 x 1024 @ 300 m, and features manual synchronization of the RGB signals and correction of color phase and timing errors that occur over long distances.

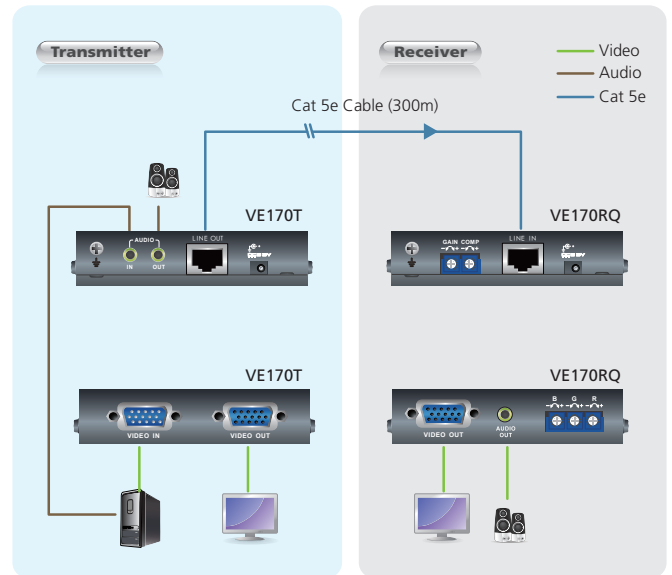
The VE170 / VE170Q VGA / Audio Cat 5 Extenders provides a flexible solution which is ideal for any professional A/V installation that requires multimedia content to be delivered over a long distance.

| VE170 Package |          | VE170Q Package |                      |
|---------------|----------|----------------|----------------------|
| VE170T        | VE170R   | VE170T         | VE170RQ              |
| Transmitter   | Receiver | Transmitter    | Receiver with Deskew |



## Features

- Connects a transmitter and receiver via Cat 5e cable
- Supports one local and one remote VGA display
- Long distance transmissions – up to 300 m
- Deskew™ (VE170Q) – automatically synchronizes the time delay of RGB signals to compensate for distance
- Adjustable Gain Control – signal strength can be manually adjusted via video gain or video compensation tuners
- Audio supported (mono)
- Built-in ESD protection
- Rack-mountable



## Specifications

| Function                    | VE170R                                             | VE170RQ                                             | VE170T                                             |
|-----------------------------|----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|
| <b>Video Input</b>          |                                                    |                                                     |                                                    |
| Interfaces                  | N/A                                                | N/A                                                 | 1 x HDB-15 Male(Blue)                              |
| Impedance                   | N/A                                                | N/A                                                 | 75                                                 |
| Max. Distance               | N/A                                                | N/A                                                 | 1.8 m                                              |
| <b>Video Output</b>         |                                                    |                                                     |                                                    |
| Interfaces                  | 1 x HDB-15 Female (Blue)                           | 1 x HDB-15 Female (Blue)                            | 1 x HDB-15 Female (Blue)                           |
| Impedance                   | 75 Ω                                               | 75 Ω                                                | 75 Ω                                               |
| <b>Video</b>                |                                                    |                                                     |                                                    |
| Max. Bandwidth              | 300 MHz                                            | 300 MHz                                             | 300 MHz                                            |
| Max. Resolutions / Distance | Up to<br>1920 x 1200 @ 30 m;<br>1024 x 768 @ 300 m | Up to<br>1920 x 1200 @ 150m;<br>1280 x 1024 @ 300 m | Up to<br>1920 x 1200 @ 30 m;<br>1024 x 768 @ 300 m |
| <b>Audio</b>                |                                                    |                                                     |                                                    |
| Output                      | 1 x Mini Stereo Jack Female (Green)                | 1 x Mini Stereo Jack Female (Green)                 | 1 x Mini Stereo Jack Female (Green)                |
| Input                       | N/A                                                | N/A                                                 | 1 x Mini Stereo Jack Female (Green)                |
| <b>Power</b>                |                                                    |                                                     |                                                    |
| Connectors                  | 1 x DC Jack                                        | 1 x DC Jack                                         | 1 x DC Jack                                        |
| Consumption                 | 5.3 VDC, 3.66W                                     | 5.3 VDC, 4.82W                                      | 5.3 VDC, 2.66W                                     |
| <b>Environmental</b>        |                                                    |                                                     |                                                    |
| Operating Temperature       | 0° to 50° C                                        | 0° to 50°C                                          | 0° to 50°C                                         |
| Storage Temperature         | -20° to 60°C                                       | -20° to 60°C                                        | -20° to 60°C                                       |
| Humidity                    | 0 - 80% RH, Non-Condensing                         | 0 - 80% RH, Non-Condensing                          | 0 - 80% RH, Non-Condensing                         |
| <b>Physical Properties</b>  |                                                    |                                                     |                                                    |
| Housing                     | Metal                                              | Metal                                               | Metal                                              |
| Weight                      | 0.24 kg                                            | 0.24 kg                                             | 0.24 kg                                            |
| Dimensions (L x W x H)      | 12.77 x 9.04 x 2.26 cm                             | 12.77 x 9.04 x 2.26 cm                              | 12.77 x 9.04 x 2.26 cm                             |

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