

# Case Study

Blending Hi-Tech and Elegance with HDBaseT

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End Customer: Private owners  
Vertical: Home



## About the End Customer

A couple renovating their home in Toms River, New Jersey, USA decided to upgrade their AV multimedia system, and add new equipment and functionality to their home.

## The Challenge

Local installer JRB Audio/Video's main challenge was to contend with the different requirements from the husband and wife: while he would like everything to be high-end and high-tech, she – an artist – was looking for a stylish, aesthetically pleasing finish to the install. As part of the requirements, the home AV system had to enable switching and distribution of all sources to displays throughout the house. The cornerstone of the project was the installation and integration of a cutting-edge audio-visual distribution system in the very luxurious master bathroom.

## The Solution

JRB Audio/Video ensured pleasing aesthetics without compromising on functionality by keeping most of the distribution system infrastructure well hidden and out-of-sight. In a concealed equipment room, a Control4 HDMI matrix and a Home Automation system were installed, and connected to displays throughout the house over thousands of meters of Cat6 cable.

A waterproof Aquavision 22" LED TV was installed in the master bathroom, with built-in power from Silvertel. The HDMI matrix fed an Aquavision Connect-TV Active extender, which uses HDBaseT technology to send uncompressed HD video and 100W of power (through Silvertel high power Ag6600 PoH module) over a single Cat6 cable direct to the Aquavision TV, removing the need for expensive cabling.



## Results

Both the technophile husband and the artist wife were satisfied and overjoyed with the look and feel of the installation, combining a clean and elegant finish alongside outstanding picture quality and technological functionalities. The bathroom was everything they had envisaged, in a newly renovated state-of-the-art home.

## About HDBaseT

The HDBaseT standard, powered by the Valens chipset, enables all-in-one connectivity between ultra-HD video sources and remote displays through a single cable, delivering uncompressed ultra-high definition 4K video, audio, USB, Ethernet, control signals and up to 100 watts of power.