

## CASE STUDY

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## Video Transmittal Components

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Sealoc creates solution for  
AVPro Edge with Weatherproofing  
HDMI Extenders

# THE CHALLENGE

Based upon industry and integrator demand for increased outdoor A/V entertainment, AVPro Edge needed a solution for their ultra-high definition video and audio components that could survive the elements, without sacrificing performance or quality.



## Why did AVPro Edge select Sealoc?

Sealoc is a respected manufacturer of outdoor A/V systems and an industry leader in providing custom weatherproofing services for electronics. All weatherproofing and nano-coating services are proudly performed in McKinney, Texas, USA.

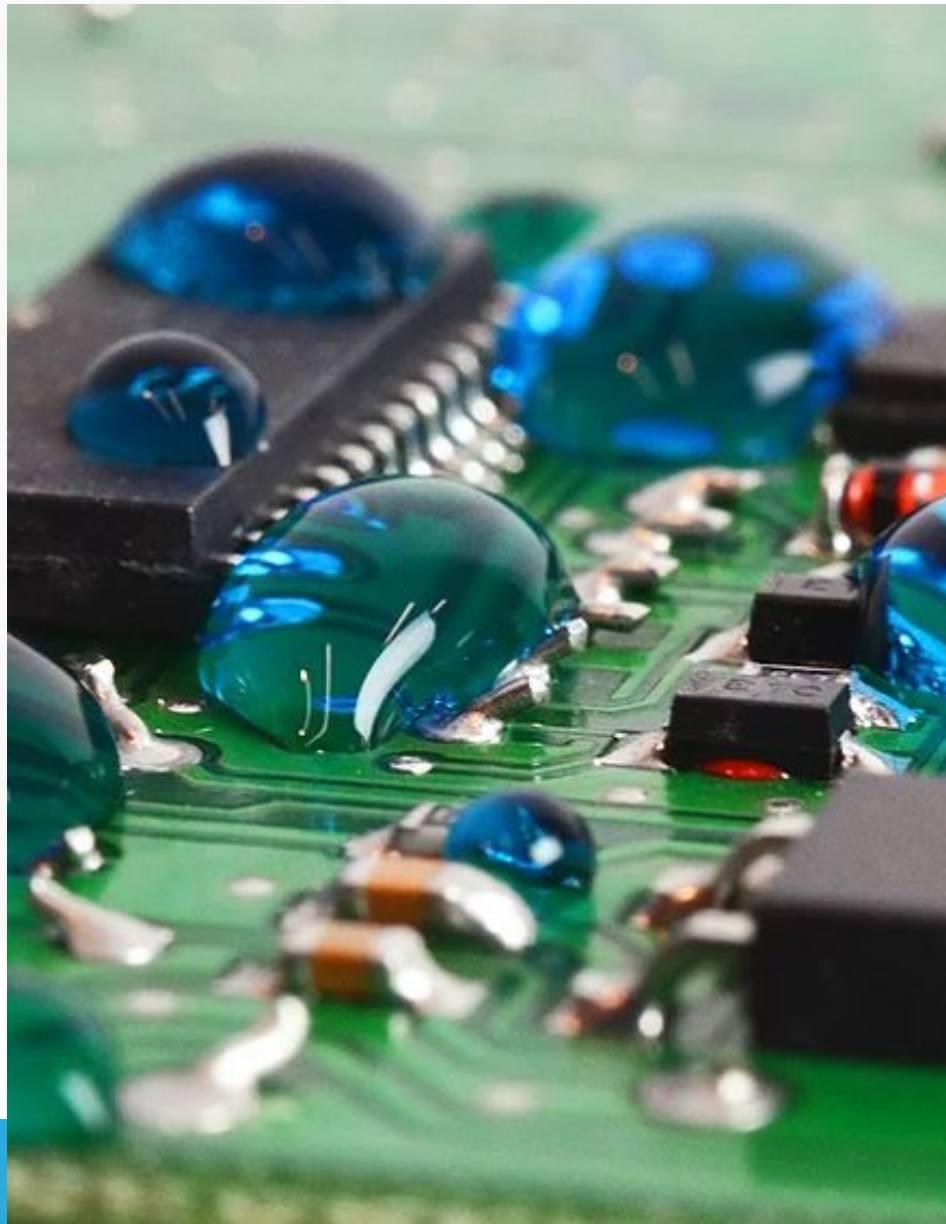
“We’re very pleased here at Sealoc”, says Rick Webster, President “to have created this partnership with AVPro Global. Our company philosophies regarding product quality and customer satisfaction are directly aligned. The AVPro Edge products are like Sealoc’s, in that we pride ourselves in offering military-grade products and services.”

# THE SOLUTION

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## What did we do?

Sealoc provided its weatherproofing services on several of AVPro Edge's HDMI extender kits with its proprietary Superhydrophobic Conformal Nano-Coating solution creating an invisible, durable, waterproof protective layer. This nano barrier creates a protective 100° positive contact angle for water and liquids, insuring they cannot adhere to the surface. This safeguards components from short-circuits, corrosion, or electrical fouling. The nano-coating safeguards the components and is permanently adhered, creating a barrier on circuitry, protecting against water, moisture, humidity, dust, salt-air, and corrosion.



## How did we do it?

**Sealoc's research and development teams performed several weeks of intense testing in our proprietary weather-recreation lab, recreating extreme weather conditions such as 100% humidity, salt-fogging, extreme temperatures and non-stop rain. These conditions not only recreate extreme weather conditions, but also tests the effectiveness of Sealoc's proprietary conformal nano-coating services and the overall performance of AVPro Edge's devices in these conditions. Once testing was concluded, Sealoc certified the AVPro Edge HDMI extenders to be IP65 protected.**



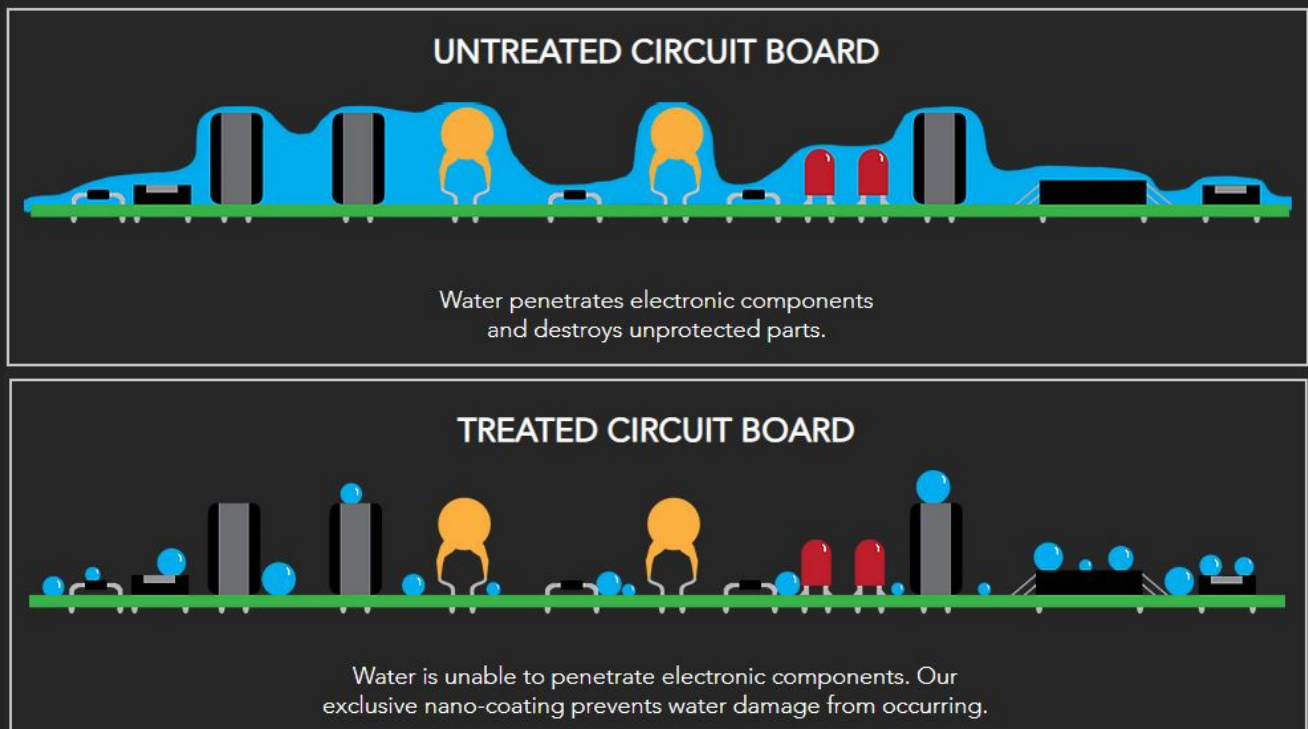
# THE RESULTS

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## What makes us unique?

Sealoc's goal first and foremost is to help protect our planet from having harmful components put into landfills, and a close second is to help our clients extend the life of these electronics for many more years than they would otherwise last when exposed to rain, acid rain, humidity, salt-air, and other corrosive environments.

Jeff Murray, President of AVPro Edge said, "We are excited to be able to offer Sealoc receivers to our dealers! The Sealoc process extends the life of the product significantly in harsh environments – outdoors, close to the ocean, anywhere that the elements can get in and cause damage to electronics. Sealoc does not just do some sort of spray and call it good, they use an exclusive full-bathing process to weatherize the boards, and they re-engineered our receivers cooling ducts to ensure they remain dry and functional even in straight line wind and rain. Sealoc is a perfect fit for today's projects that demand outdoor functionality and product protection."



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