5 Ways to Simplify Your Display and Video Wall Installations

How to Reduce Both Cost and Complexity Using Apantac Display Interfaces With the Intel® Smart Display Module (SDM) Platform
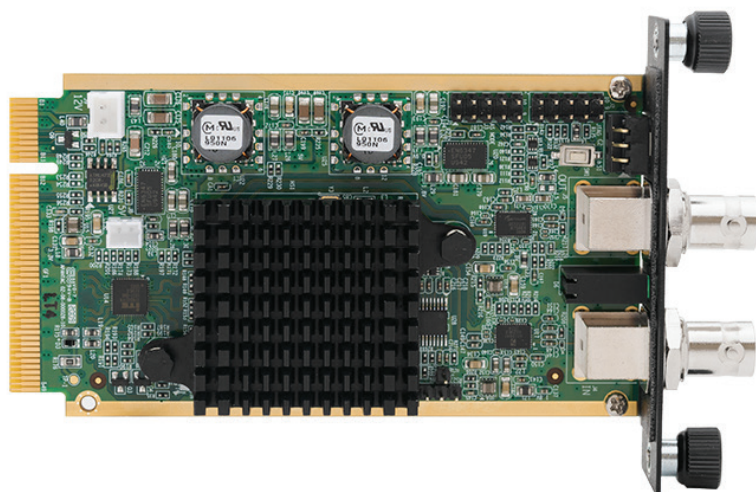

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INTRODUCTION

Why do the latest Apantac display interfaces employ the Intel® Smart Display Module (SDM) platform?

Because Intel® has been a leader in this technology for more than a decade.

In 2010, just about the time the display market began to move towards modularization and standardization, Intel® introduced the Open Pluggable Specification (OPS). OPS played a vital role in enabling scale while reducing display development costs.

More recently, addressing stricter standardization and continuing its leadership in display technology, Intel® launched the Intel® Smart Display Module (SDM) specification.

Read on to learn the five key ways you can use Apantac devices with this new Intel® platform to simplify and future-proof your display and video wall installations.

Apantac Crescent 12G SDI Receiver for SDM (12G/3G/HD-SDI Input)

No. 1

SAVE SPACE

Since the smaller of Apantac's two SDM interfaces (based on the Intel Smart Display Module Platform) is just the size of a credit card, it's a perfect fit for today's flat-panel displays. With dimensions of just 80 mm by 112 mm, the Apantac SDM interfaces slide neatly into a display, eliminating the bulk of an external conversion and extension device and giving you greater flexibility in designing an elegant video wall or display for either broadcast or Pro AV.

Powerful & Sleek SDM Interfaces with Integrated UHD SDI & AV over IP connectivity, Point to Point and AV over IP Extension

No. 2

REDUCE COMPONENTS AND CABLING

The last thing you want to do when putting up a video wall is to put a converter next to every single panel, as well as power and extra cabling to support it. Things get messy fast. Apantac SDM modules do away with all that clutter, allowing you to create a much simpler, more elegant installation with fewer points of failure.

No. 3

GET FORMAT FLEXIBILITY TODAY

Apantac's Smart Display Module interfaces based on the Intel SDM platform have evolved to address NDI, SDI, UHD and more. So, rather than keep different types of displays in stock, you can simply swap out interface cards. Slide the module into the display, and you're ready to go!

Our interfaces support: NDI, 12G SDI, UHD, HDBaseT and AV over IP SDVoE.

Using Apantac's SDM interfaces, you gain the processing capabilities you need in the moment, as well as the agility to adapt if you begin working with different signal types and formats. This flexibility can translate to significant cost, time, and space savings. It's a simple, clean solution — and it's fast too. (If you're in staging and rental, you can quickly deliver the display solutions your customers need.)

No. 4

ENSURE FUTURE-PROOF FORMAT SUPPORT

As formats and standards change and as displays grow more advanced, the compact, versatile family of Apantac SDM interfaces will continue to give you the format support and functionality you need.

Interfaces today support formats up to 4K and even 8K, and those capabilities will extend to address evolving requirements across the broadcast and Pro AV industries. Whether you're working in baseband or AV-over-IP, the Apantac SDM line has an interface to support your video wall or display setup.

Apantac Interfaces for NDI
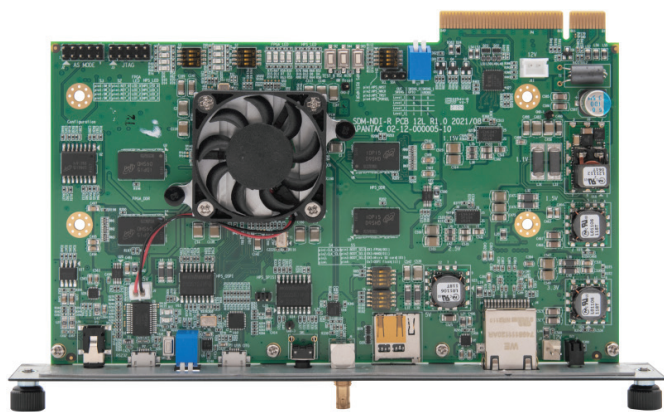
Apantac Interfaces for SDI

No. 5

IMPROVE RELIABILITY

When you're building a large-scale video wall, mean time between failure is extremely important. Fewer components translate to fewer points of failure. By integrating critical signal processing into an interface that installs directly into your displays, you improve reliability while reducing cabling and components.

An added benefit of the Apantac SDM interfaces is that they can provide information about display performance. With details such as the power being drawn and the amount of cooling needed, you get a better sense of system stability and a larger toolset for ensuring the ongoing reliability of your installed displays.

Apantac SDM Receivers for 12G UHD, HDBaseT, SDVoE, and NDI