

AMX Solves the Greatest Common Resolution Epidemic

AMX provides the only technology which ensures the highest possible video resolution will be shown on every display: SmartScale® Technology.



THE PROBLEM: MANAGING SOURCES & DESTINATIONS WITH INCOMPATIBLE RESOLUTION SUPPORT

How many multi-display applications use displays of the exact same make and model number across the entire installation? None! Why? Because most installations include a mix of large screens or projectors and smaller sized displays. With each display supporting a unique set of resolutions, incompatibilities arise when the output resolution of the source is not supported by some or all displays in the system. If not dealt with properly, this hodge-podge of resolutions can dramatically diminish the quality of your video or lead to costly workarounds.

SOLUTIONS THAT AREN'T SOLUTIONS

Many matrix switching device manufacturers simply overlook this critical issue and force integrators to resort to last minute “band-aid” solutions like costly, clunky external scalars, or limiting source and destination switching combinations to combinations of compatible resolutions. Alternately, some matrix switchers actively evaluate the EDID files within the connected displays and present a combined EDID to the connected source device. The combined EDID represents the most common supported resolution between all connected displays. This is frequently referred to as best common or greatest common resolution (also known as weakest link). Unfortunately, the most common resolution across all displays and each displays best resolution usually are not the same. This leads to most sources being forced down to a

lower resolution, leading to poorer image quality and an overall inferior distribution system. In the most extreme cases, expensive 1080p displays are being degraded to standard definition resolutions.

WELCOME TO SMARTSCALE FROM AMX

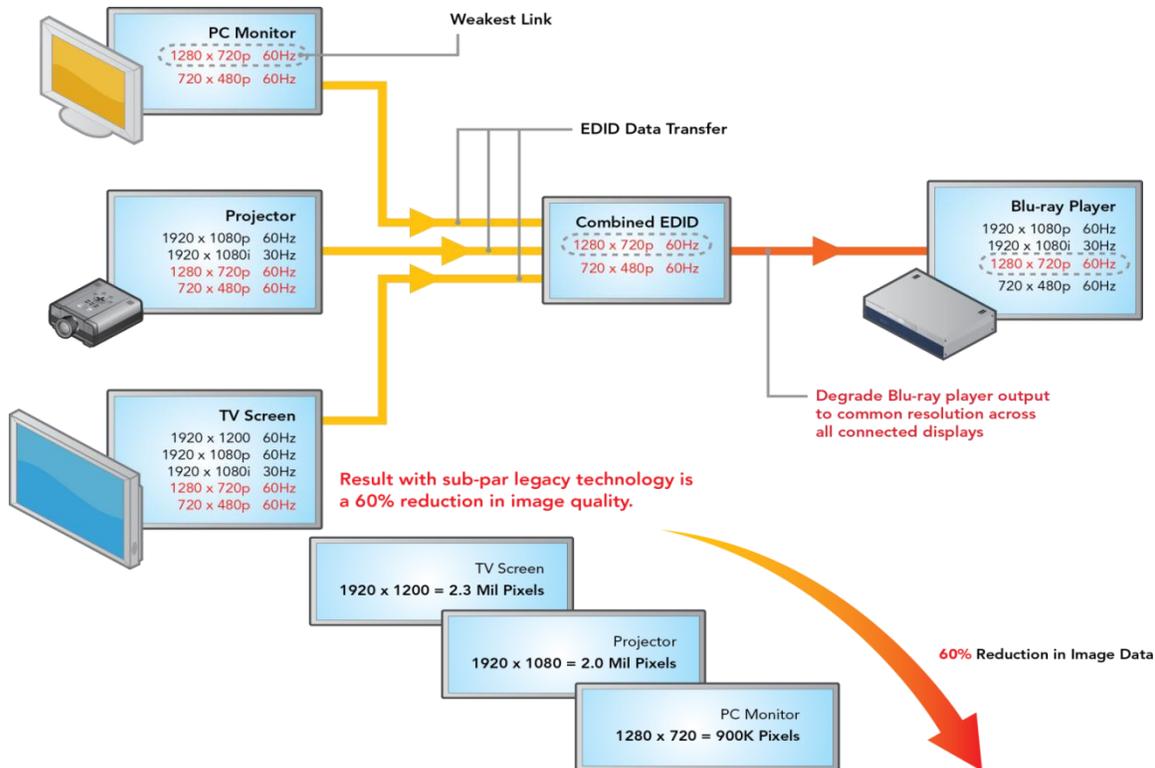
AMX solves this problem by using its proprietary SmartScale Technology on every output. SmartScale automatically responds to the display's declared EDID information and delivers a custom-scaled image, based not only on the preferred resolution but also additional information such as horizontal and vertical pixel count, detailed timing, color space chromaticity and more. No other manufacturer provides automatic video resolution support at this detailed level. SmartScale eliminates the incompatibilities between sources and displays operating at different resolutions by accepting the highest resolution of every source device, ensuring every display operates at its preferred resolution. SmartScale guarantees every picture looks its best, with no manual adjustments.

ENOVA DGX & DVX

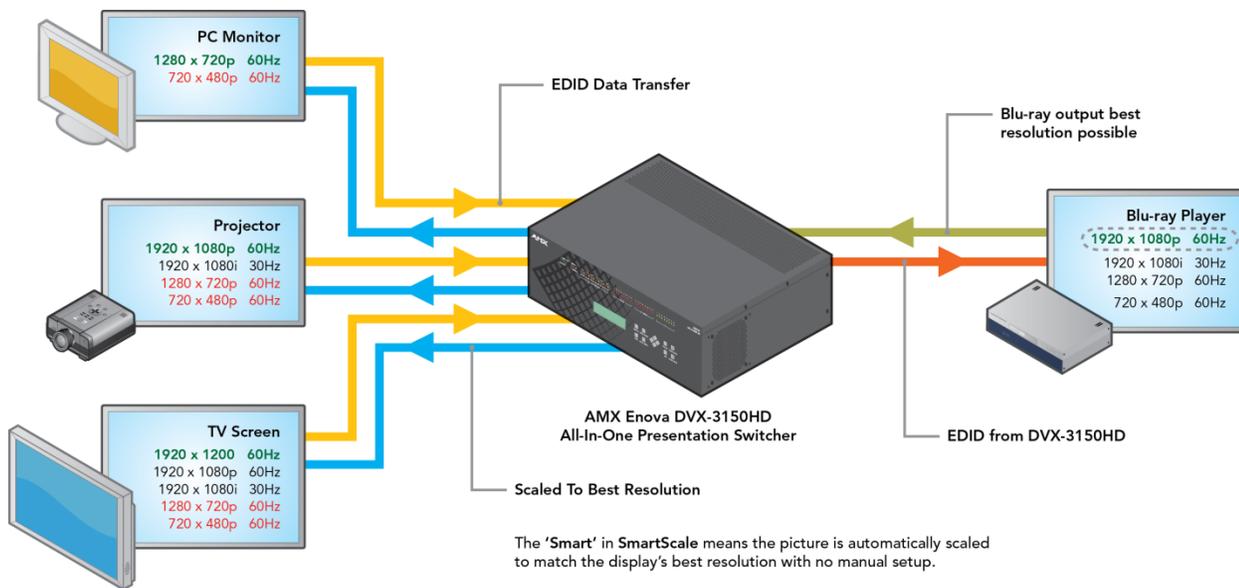
AMX's revolutionary SmartScale Technology is found in such products as the **Enova DGX Digital Media Switcher** and the **Enova DVX-3150HD All-in-One Presentation Switcher**.

To learn more about AMX and SmartScale please visit www.amx.com.

THE WEAKEST LINK PHENOMENON



SMARTSCALE IN ACTION



RESULT: Each display shows content at its optimal resolution.