

Xantech Intros HDMI Distribution Line

Written by Frederick Douglas
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Nortek Security & Control (NSC) launches a line of Xantech HDMI distribution solutions-- including extenders, splitters and switchers, matrix switchers and distribution amps.



Better known as a control accessory maker, Xantech is pushing into video with products centered around sending HDMI signals longer distances, as well as solving quirky HDMI routing issues.

The line offers 3 extenders-- the XT-HDBT-EX100-4K18G-KIT, a 4K HDBaseT extender able to deliver HDMI 2.0 with HDCP 2.2 support, bi-directional IR, RS-232 and PoH (PoE) up to 70m at 4K (100m at 1080p) over a single CAT cable, the XT-HDBT-EX70-4K-KIT (4K HDBaseT solution delivering HDMI with HDCP 2.2 support, bi-directional IR and PoH (PoE) up to lengths of 40m at 4K (70m at 1080p) over a single CAT cable) and the slim-line XT-CAT-EX40-KIT (provides HDMI and bi-directional IR distribution over a single CAT cable up to lengths of 40m @ 1080p and 50m @ 1080i).

In terms of splitters Xantech has the XT-HDBT-SP14-KIT (4K UHD HDBaseT splitter distributing a single HDMI source to x4 simultaneous HDBaseT outputs with HDCP 2.2 support), XT-SP12-4K18G (4K HDMI 2.0 splitter distributing a single HDMI source to x2 simultaneous outputs, with full HDMI 2.0 and HDCP 2.2 support with video resolutions up to and including 4K @ 60Hz 4:4:4) and XT-SP12-4K18G (4K HDMI 2.0 splitter distributing a single HDMI source to x2 simultaneous outputs, with HDMI 2.0 and HDCP 2.2 support with video resolutions up to and including 4K @ 60Hz 4:4:4). Also available are the XT-SW21-4K18G (4K HDMI 2.0 switcher distributing x2 HDMI sources to x1 output, with support for HDMI 2.0 and HDCP 2.2 with video resolutions up to and including 4K @ 60Hz 4:4:4) and XT-SW41-4K18G (4K HDMI 2.0 switcher distributing x4 HDMI sources to x1 output, supports full HDMI 2.0 and HDCP 2.2 with video resolutions up to and including 4K @ 60Hz 4:4:4).

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Switchers include the XT-HDBT-MX44-4K-KIT 4x4 HDBaseT Matrix. A 4K HDCP 2.2 Matrix package, it delivers HDMI, bi-directional IR and PoH (PoE) up to lengths of 70m over a single CAT cable, as well as simultaneous HDBaseT/HDMI on output 1. A web browser interface module provides control and configuration features. Meanwhile the XT-HDMI-MX44-4K18G 4K HDMI matrix features HDMI 2.0 chipsets with HDCP 2.2 support, allowing the distribution of x4 HDMI sources to x4 displays. It transmits all HDMI resolutions up to and including 4K 60Hz 4:4:4. A final 4K HDMI matrix is the XT-HDMI-MX42-4K18G with HDMI 2.0 chipsets with HDCP 2.2 support, allowing distribution of x4 HDMI sources to x2 displays, with support for all HDMI resolutions up to and including 4K 60Hz 4:4:4.

On the audio side, Xantech offers the XT-CAT-ARC-KIT audio over CAT cable solution, able to transmit digital audio signals up to 300m (192kHz signals up to 100m). As a plug-and-play device, it extends both optical and coaxial digital inputs concurrently. Meanwhile the XT-DAC-12 converts either coaxial or optical signals from a digital signal to analog stereo audio, and includes a digital converter for converting an optical signal to a coaxial signal. Finally, the XT-DIG-11 converts coaxial or optical digital audio signals from one signal type to another, with support for 192kHz sample rates for enhanced sound reproduction. Outputs are simultaneous, meaning audio can be distributed to multiple locations.

A final product is the HDMI-SM-4K18G-- an HDMI signal manager helping installers solve common issues with distributing higher bandwidth HDMI signals over longer distances, including HDMI compatibility, HDCP 2.2, clock stretching, EDID and and handshaking.

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