

APPLICATION BRIEF



CASINO



Casino Gaming Floor with 4K Networked AV Content Distribution



OPPORTUNITY

Submerge guests into a world of brilliant video content from the moment they walk onto the gaming floor with AMX by HARMAN stunning 4K Networked AV content distribution. Streaming live broadcast content, in-house videos showing off the many amenities of the property, events and more will help keep guests engaged and playing longer.



SOLUTION

The AMX SVSI N2300 Series encoders and decoders distribute beautiful 4K over standard Ethernet cable using managed network switches. Imperceptible latency and support for HDMI 2.0/HDCP 2.2 ensure distribution of resolutions up to 4096x2160 without interruption or quality degradation.

Expanding video to a new section of the casino? Setting up temporary kiosks or promotional areas? Not a problem. The N2300 networked AV distribution system can grow one input or output at a time without replacing core infrastructure. Simply add an encoder at any input point, stream that video onto the network, and it is available to any decoder.

Distribute content to single displays or create even more impact in entrance and high traffic locations with Samsung's SMART Signage Videowall.

A BSS Soundweb London audio signal processor expertly processes and distributes audio to selected zones including audio from tuners and other direct auxiliary audio sources in addition to any audio that was placed on the network from a source encoded by a N2312 encoder. Crystal clear, intelligible sound is provided in each zone with a Crown DriveCore amplifier and JBL speakers from the Control Contractor Series including JBL 226C/T ceiling loudspeakers and Control 25 foreground loudspeakers. Audio reinforcement at the video wall is provided by JBL CBT 1000 line array columns.



AKG

AMX

BSS

CROWN

dbx

JBL
PROFESSIONAL

lexicon

Martin

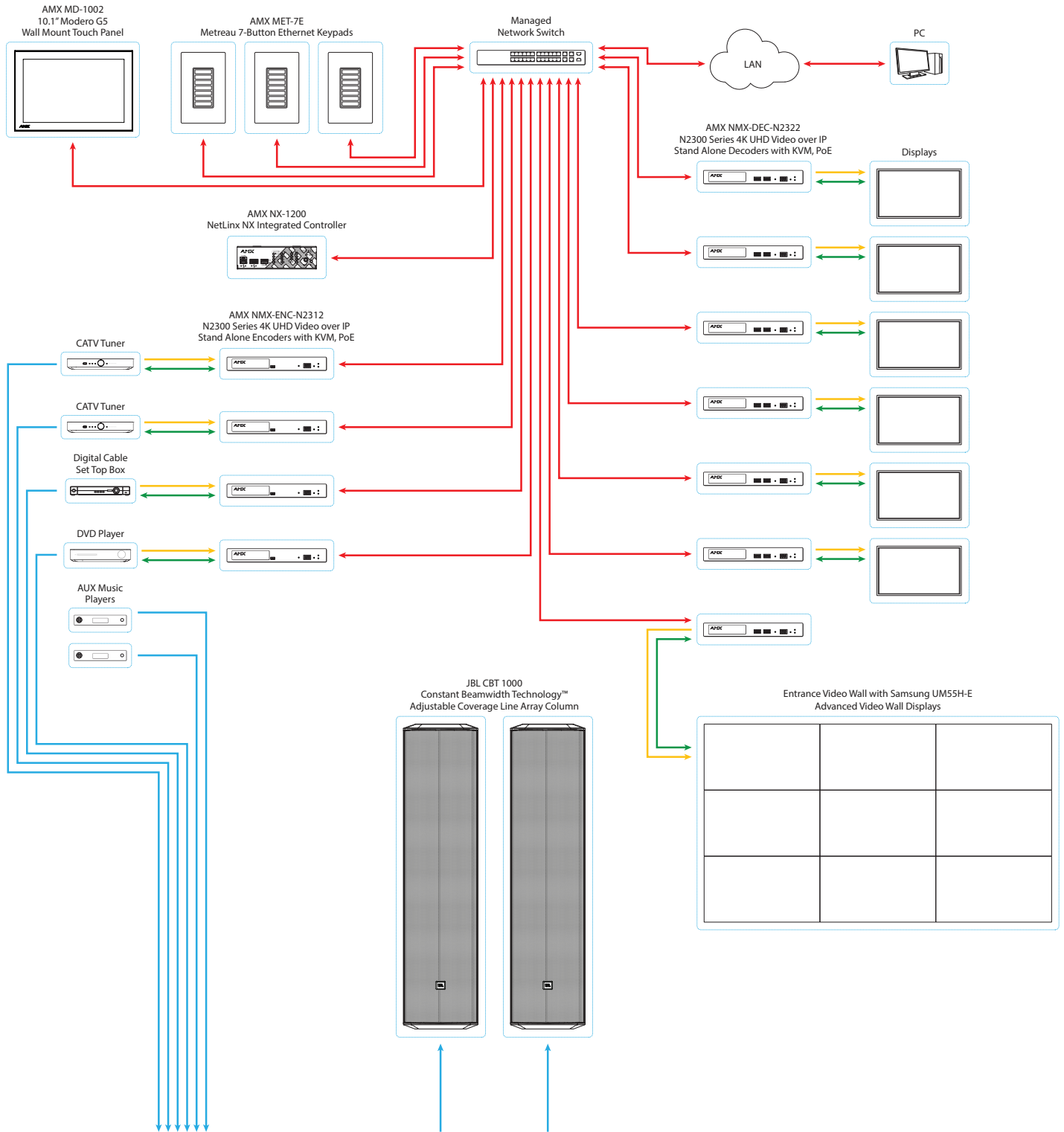
Soundcraft

STUDER

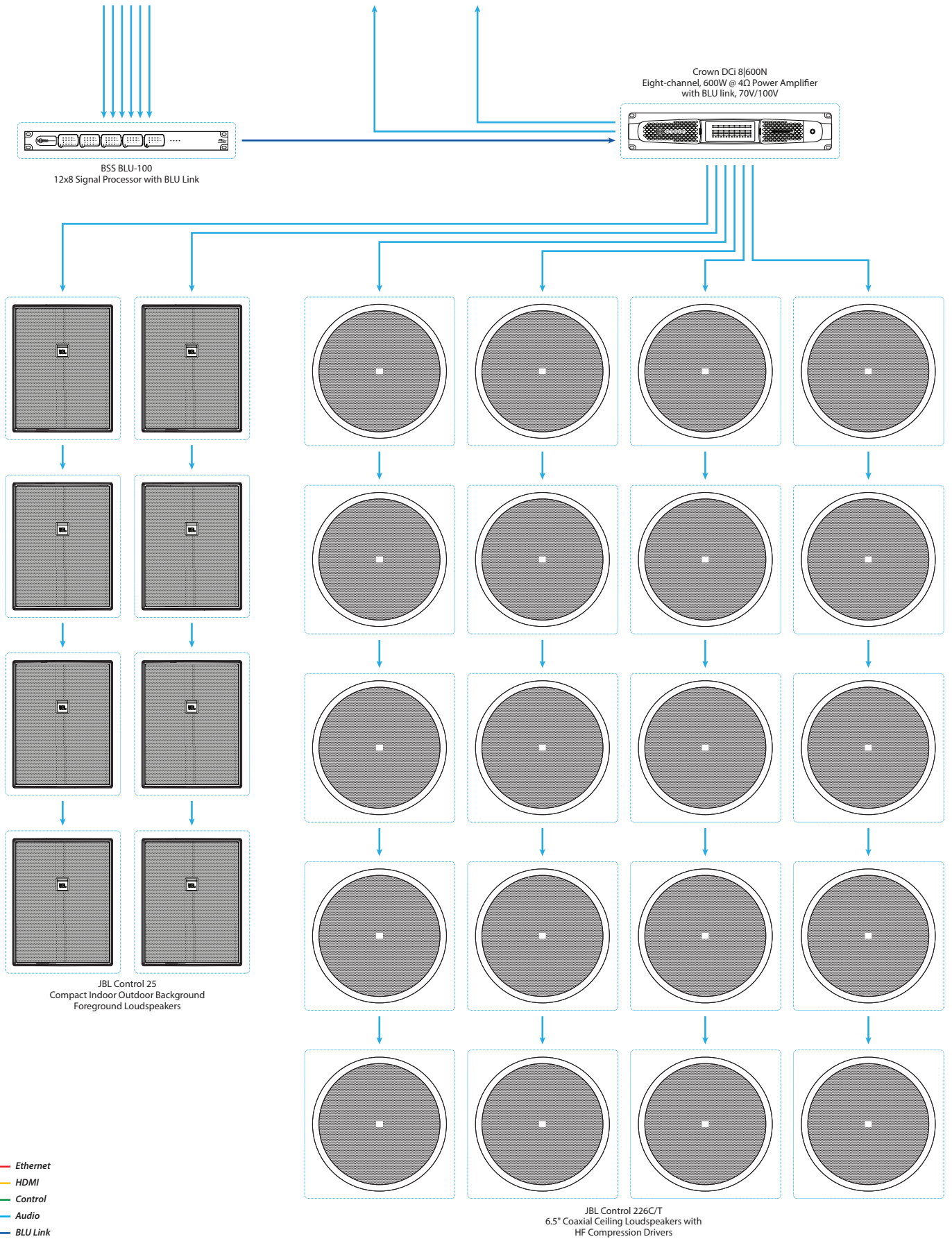
Control of the content is easy from the gaming office with an AMX NetLinX NX integrated controller and Modero G5 touch panel. The touch panel can be configured to initiate pre-programmed macros that include a large or small series of commands that change the video and/or audio content in multiple locations; or button presses that execute more simple commands of single sources or destinations. Localized zone control is made easy with simple Metreau Ethernet keypads.

This is just a small sample of the audio, lighting, video and control capabilities of HARMAN Professional. Contact a HARMAN Representative for more information.

NETWORKED AV CASINO GAMING FLOOR - SYSTEM DIAGRAM



NETWORKED AV CASINO GAMING FLOOR - SYSTEM DIAGRAM - CONTINUED



- Ethernet
- HDMI
- Control
- Audio
- BLU Link



AMX N2300 Series 4K 4K30 4:2:0

Don't miss a single moment watching the big game or reviewing video at the big meeting with the 4K over IP solution that is fast enough for live action even price sensitive markets will appreciate. The new AMX SVSI N2300 Series Encoders and Decoders are designed to distribute beautiful 4K video with less latency, and consuming less power - all at an extremely competitive price.



JBL Control Contractor Series Loudspeakers

Spanning a complete range of surface-mount (on-wall), in-ceiling and in-wall models, the variety of solutions offered by the Control Contractor Series give you complete mastery of any architectural, aesthetic or system performance requirement. All with sound from JBL, simply select the loudspeaker for the architectural, form factor and sonic requirement and the resulting sound system will always deliver superior performance, reliability and value.



AMX Modero G5 Touch Panels

AMX Modero G5 is the face of the most secure AV control system. Beautiful, streamlined user interfaces that integrate all the functionality needed to control room technology including sources, devices, lighting, and more. Get complicated user interactions out of the way so business, learning and entertainment can get underway. Available in 20", 10" and 7" tablet and 10" and 7" wall mount.



JBL CBT 1000 Adjustable Coverage Line Array Column

Expanding upon our highly successful Constant Beamwidth Technology™ breakthrough, the CBT1000 represents the next-generation in pattern control consistency utilizing adjustable vertical coverage and a tapered horizontal waveguide to increase the versatility of aiming the coverage of the loudspeaker to more accurately map to the room geometry. Asymmetrical vertical coverage sends more sound toward the far end of the room making front-to-back sound levels more consistent.



AMX NetLinX NX Integrated Controllers

The NetLinX NX Integrated Controllers are programmable network appliances specifically designed to control AV and building technology using multiple analog and digital formats. The controllers are enterprise ready with advanced features including IPv6, IEEE 802.1X, X.509 certificate services, full LDAP integration, TLS/SSH communications; and multiple program including RPM, AMX NetLinX and Java. Available in four stand-alone models, NX technology is also integrated into AMX Enova DVX and Enova DGX models.



BSS Soundweb London Digital Signal Processors

Used in install sound applications, Soundweb London provides three core functions for audio signals processing, control and distribution. Simplified programs allow designers to assign and define an extensive menu of audio processing choices (called objects) for each incoming channel. Processing capabilities include: mixing / gain (i.e., ambient noise compensator, compressor, ducker, expander, gate, leveler, limiter), crossovers and filters, delay, primitives, graphic and parametric EQ, and more. Those channels can then be connected using a drag-and-drop block diagram. This creates the signal flow that defines the processing, control and distribution of the audio.

