

UHD722

HDMI PROCESSOR



OVERVIEW

The Meridian UHD722 HDMI Processor is the perfect link between your Meridian system and the latest HDMI-equipped video sources. The UHD722 supports UHD (Ultra High Definition), HD (High Definition) and SD (Standard Definition) video.

The UHD722 seamlessly integrates up to seven HDMI sources into your Meridian system. The UHD722 splits the HDMI datastream from the selected source into separate audio and video signals. The video signal can be sent to one or two display devices while the audio is sent out of the unit free from the risk of subsequent sonic degradation derived from the presence of digital video signals.

PRODUCT HIGHLIGHTS

- The UHD722 features our performance enhancement technologies, including digital audio up- and down-sampling, FIFO buffering, resolution enhancement and Lip Sync control.
- Seven-input HDMI switch with two HDMI video outputs.
- Extracts up to eight channels of high-resolution audio from the HDMI datastream, supplying them to separate audio-only outputs.
- Multichannel Meridian High Resolution (MMHR): balanced digital audio output via RJ45/Cat 5 cable (up to 8 channels)

- Smartlink coaxial digital audio output (up to 8 channels).

USER FEATURES

- Can be easily integrated with a Meridian audio/video system. The HDMI input will switch in unison with source selection on the system controller, by either direct connection or using the supplied comms adapter with legacy systems.
- Keeps HDMI video signals away from your audio equipment, minimising signal degradation caused by harmonic interference from high frequency video signals.
- A configurable audio delay system is built in, allowing you to ensure that sound is always in perfect synchronisation with the picture.
- Illuminated capacitive touch keys indicate which input is currently active as well as power status.

TECHNOLOGIES

DSP UPSAMPLING AND APODISING FILTERS

The MMHR and SmartLink outputs can be set to deliver either standard (44.1/48 kHz) or high resolution (88.2/96 kHz) sample rate digital audio, with resolution enhancement of up to 24-bit. When set to standard rates, the output is either 44.1 or 48 kHz irrespective of the input rate. When set to high rates, the output is always either 88.2 or 96 kHz, irrespective of the input rate. Standard sample rates are upsampled using Meridian's powerful apodising technology.

FIFO RECLOCKING

Clock variations, known as jitter, are one the main causes of unpleasant "glare" in digital audio systems. The Meridian UHD722 solves this problem with our proprietary jitter reduction technique using a FIFO (first-

in first-out) buffer that allows an independent output clock to deliver clock performance that does not rely upon on the incoming signal quality. This ensures that the audio extracted from the HDMI stream is of the highest quality.

LIP SYNC

The processor also includes a configurable audio delay of up to 85ms to allow lip-syncing in the event that the display system introduces an appreciable delay into the video presentation.



REAR PANEL LAYOUT

CONSTRUCTION

- The UHD722 is housed in a slimline (1U) aluminium case.
- The front panel features illuminated capacitive touch keys for input selection and On/Standby.
- Optional rack-mount kit available.

SPECIFICATION

CONNECTIONS	• Power input (IEC Connector)	
	• DB9M Sub RS232 serial connector	
	• Meridian Speakerlink output (RJ45)	
	• Seven HDMI inputs, all of which are HDCP 2.2 and CEC compatible	
	• Two HDMI outputs; one of which is HDCP 2.2 and ARC compatible	
	• 8-channel MMHR digital audio out (RJ45)	
	• 8-channel coax digital audio out (4x phono)	
DISPLAY	• Illuminated capacitive touch key for Standby/On	
	• Illuminated capacitive touch keys for source selection	
POWER	• Internal universal power supply 100-250V AC	
	• Maximum power consumption: <10W	
DIMENSIONS	• HEIGHT: 41mm [1.61in]	• WIDTH: 420mm [16.54in]
	• DEPTH: 285mm [11.22in]	• WEIGHT: 2kg [4.41lb]