EXPANSION MODULE SPEC

HDMI-4K2IN

OVERVIEW

This module adds two HDMI inputs, supporting 2x 4K30 or 1x 4K60 (2nd input does not work in 4K60 mode)	
Features	
Dual 4K30 or single 4K60 HDMI Inputs	2x 4K30 or 1x 4K60
HDMI 2.0	for 3840 x 2160 4:2:0 @ 50Hz, 59.94Hz & 60Hz
HDMI 1.4	for all other resolutions
HDCP 1.4	Yes

DESIGNED FOR

ESTUARY MC models with input expansion slots	Input expansion module for ESTUARY models
Max Installable	
ESTUARY - MC2	2 modules
ESTUARY - MC4	8 modules

INSTALLATION

Field upgradable expansion module	Can be fitted in to slots 11 and 12 in ESTUARY MC2 model
Caution	This is not a hot-swappable item. To install or replace the unit has to be powered down and disconnected from the supply. Observe static safety precautions when handling the module. Must be installed by a competent person

VIDEO INPUTS

HDMI	2x
HDCP	1.4
Chroma sub-sampling	4:4:4 (4:2:0 for 4K, 3840x2160 resolutions 50Hz, 59.94Hz & 60 Hz)
Color depth	8-bit
Color space	SDR YUV (L) BT.601, SDR YUV (L) BT.709, SDR RGB (L) BT.709, SDR RGB (F) BT.709 and auto detect

SUPPORTED INPUT RESOLUTIONS

480i (720x480)	59.94Hz
480p (640x480)	60, 72, 75, 85Hz
480p (720x480)	59.94Hz
487i (720x487)	59.94Hz
576i (720x576)	50Hz
576p (720x576)	50Hz
600p (800x600)	56, 60, 72, 75, 85Hz
720p (1280x720)	29.97, 30, 50, 59.94, 60Hz
720p (1920x720)	60Hz
768p (1024x768)	60, 70, 75, 85Hz
768p (1280x768)	60, 75, 85Hz
768p (1360x768)	60Hz
800p (1280x800)	60, 75, 85Hz
864p (1152x864)	70, 75Hz
900p (1400x900)	60Hz
900p (1440x900)	60, 75, 85Hz
900p (1600x900)	60Hz
960p (1280x960)	60, 85Hz
980p (980x980)	75Hz
1024p (1280x1024)	50, 60, 75, 85Hz
1050p (1400x1050)	50, 60, 75Hz
1050p (1680x1050)	60Hz
1080i (1920x1080)	50, 59.94, 60Hz
1080p (1920x1080)	23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz
2160p (3840x2160)	23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz
2160p (4096x2160)	23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz

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AUDIO	
Supported sampling rate	44.1 / 48kHz
Sample Size	24 bits
Supported channels	One stereo pair per input
WARRANTY	
Limited warranty	2 years parts and labor (must be installed by a competent person)
REGULATORY COMPLIANCE	
System / modules	FCC, CE, RoHS, UL, UKCA
ENVIRONMENTAL	
Operating temperature	32° to 104°F 0° to +40°C
Operating humidity	10% to 85%, Non-condensing
Storage temperature	14° to +158°F -10° to +70°C
Storage humidity	10% to 85%, Non-condensing
POWER	
Powered by the ESTUARY main unit	