EXPANSION MODULE SPEC

3GSDI-4IN

OVERVIEW	
Accessory expansion module adding 4x BNC uncompressed video inputs for 3G/HD/SDI	
FEATURES	
Quad 3G/HD/SD-SDI input module	4x 1080p (1920x1080) 60Hz
Designed For	
ESTUARY MC models with input expansion slots	Input expansion module for ESTUARY models
Max Installable	
ESTUARY - MC2	1 module
ESTUARY - MC4	8 modules
INSTALLATION	
Field upgradable expansion module	Can be fitted in to slots 11 or 12 in ESTUARY MC2 model (only fit in to slot 12 if you plan to leave slot 11 empty or only add the audio breakout module)
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	
BNC full size	4x Independent channels
3G-SDI	SMPTE424M-A 2.97/2.967Gbps < 0.3 UI jitter
HD-SDI	SMPTE292M 1.485/1.4835Gbps < 0.2 UI jitter (reduced quality with this because quad input is 4:2:0)
SD-SDI	SMPTE259M-C 270Mbps < 0.1 UI jitter
Chroma sub-sampling	4:2:2
Color depth	8-bit
Color space	SDR YUV (L) BT.601, SDR YUV (L) BT.709 and auto detect
Color depth	10-bit
Color space	Auto detect
De-interlacer	Yes
SUPPORTED INPUT RESOLUTIONS	
720p 1280x720	25, 29.97, 30, 50, 59.94, 60Hz
480i	59.94Hz
576i	50Hz
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
AUDIO	
Supported sampling rate	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	