

BM-A1-4SHD

In-Rack Monitoring

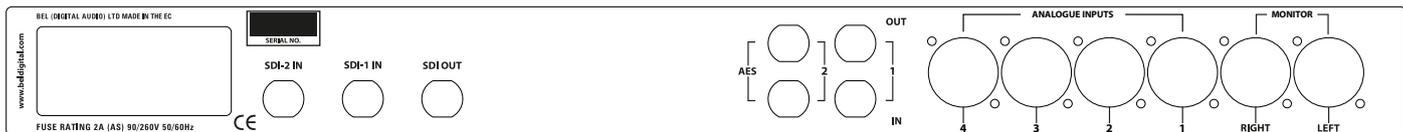


FEATURES

- High-quality 4 channel in-rack audio monitor.
- Auto-selection of 3G/HD/SD input source via two SDI inputs with loop-through output to feed external video monitor.
- Comprehensive input facilities, including 2 x SDI, 2 x AES-3id pairs, 4 x analogue inputs. 2 x AES-3id pair outputs plus analogue LR monitor outputs.
- 4 channel monitoring with ability to monitor any channel on either speaker, including combinations and groups.
- High resolution, tricolour level meters with adjustable colour transition points & peak-hold facility. Four standard scales & ballistics, user assignable.
- Auto-scaling facilities are available on the audio outputs when selecting multiple sources.
- Compact 200 mm chassis depth, highly suitable for OB applications.
- Fully RoHS compliant and 3 year warranty.

INTRODUCTION

- The BM-A1-4SHD is a 1U high-quality in-rack monitor, capable of monitoring multi-channel audio sources. This class leading product builds on Bel's reputation for providing very high quality and reliable broadcast solutions.
- The BM-A1-4SHD provides a pair of auto-detecting 3G/HD/SD SDI inputs and accepts 4 balanced analogue audio inputs and 2 AES-3id pairs. A 2x16 character display provides details of audio status.
- The selected audio inputs are displayed on high-resolution multi-coloured LED bargraphs. Selected audio channels are also provided as 2 AES-3id pair outputs on the rear panel.
- An SDI reclocked loop-through connector is provided enabling connection to downstream equipment.
- The BM-A1-4SHD is suited to operation within Master Control Rooms, Outside Broadcast Vehicles, or indeed anywhere where audio monitoring of SD, HD and 3G SDI sources is required.



BM-A1-4SHD Specifications

Audio Inputs	
Digital AES3-id	2 x 75 ohm (BNC connector)
Sample Rate	48 kHz
Analogue	4 x XLR3F
Video	
Input	2 x 3G/HD/SD SMPTE 424M, 259M, 296M, 274M, 292M
Output	1 x SDI loopthrough
Meters	
Bargraphs	4 x 26 element tricolour with adjustable colour break points
Analogue Monitor Outputs	2 x XLR3M
Max output level	+15 dB
Noise + THD	-98 dB
Digital Channel Outputs	2 x 75 ohm BNC
Frequency response	
All analogue outputs	20 Hz to 20 kHz ± 1 dB
Main drive amp	
Noise + THD	-80 dB w.r.t. maximum output
Speaker driver units	
Peak acoustic level (@2ft)	100 dB SPL
Shielding	Magnetic
Scales and Ballistics	
DIN PPM	Overall dynamic range: 55 dB (+5 to -50 dB) Attack time: 10 mSec Fallback: 1.5 Sec per 20 dB decay
BBC PPM	Overall dynamic range: (+12 to -12 dB from mark 7 to mark 1) Attack time: 10 mSec Fallback: 2.85 Sec (from mark 7 to mark 1)
VU	Overall dynamic range 23 dB (+3 dB to -20 dB) Attack time: 300 mSec Fallback: 300 mSec
AES/EBU	Overall dynamic range 60 dB (0 to -60 dB) Attack time: 1 mSec Fallback: 1.5 Sec per 20 dB decay
Housing	19" Rack Mount: 1U high. Outline Dimensions: 483 mm(W) x 200 mm (D) x 44.45 mm(H) Outline Dimensions: 19 inch(W) x 10 inch(D) x 1.7 inch(H)
Power	90 - 264 VAC 50/60 Hz Autoselect, Fuse 4A HAC
Environment	Temperature 0 °C to 30 °C. Humidity 70% max (non-condensing)
Weight	4 kg (9lbs)

Product specifications subject to change without prior notice. See website for warranty details.