



Broadcast Network Systems

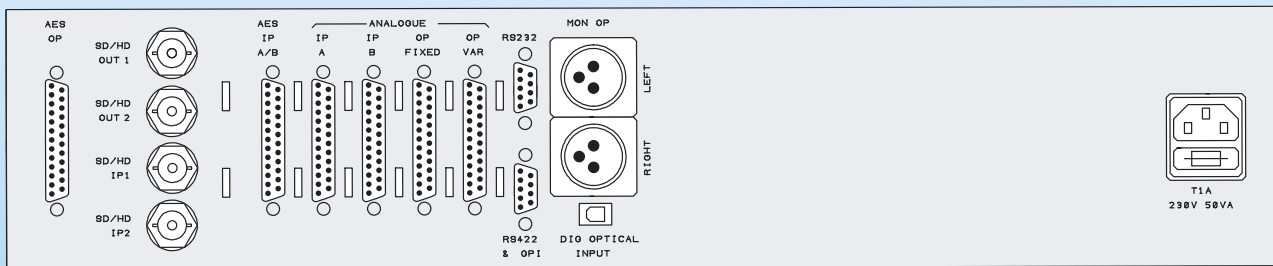
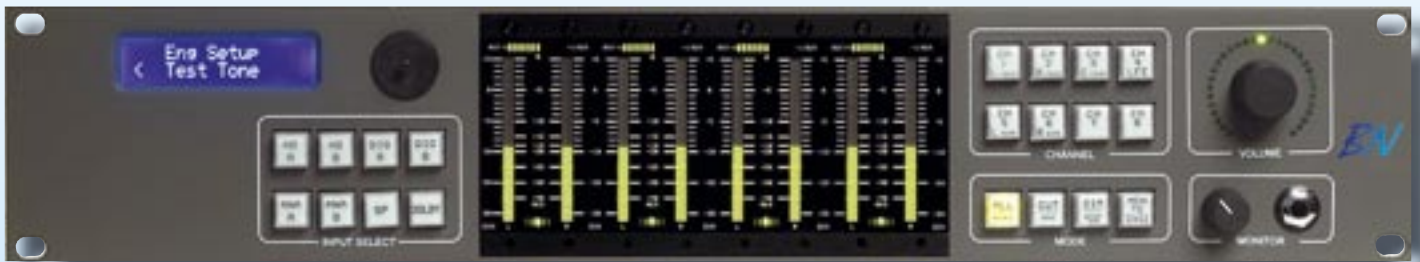
HD Audio Monitoring Unit

Bargraph HD Audio Monitoring Unit

2U rack mounted – 8 Channel monitor with Dolby option and comprehensive monitoring and routing facilities.

AMU-8HD

8 channel Bargraph meter with Dolby E/D decoder option, 2 HD/SD inputs, 8 AES input pairs and 8 stereo analogue inputs. 4 AES output pairs, 4 stereo analogue main outputs (variable), 4 stereo fixed outputs and stereo monitor output.



OVERVIEW

Bargraph meter panel with 8 53 segment meters and 4 phase correlation meters.

2 HD/SD inputs, 2 AES inputs (each with 4 AES pairs) and 2 Analogue inputs (each with 4 stereo pairs).

The LCD menu system allows flexible signal routing to the main outputs, monitor outputs, meters and Dolby decoder as well as displaying Dolby metadata, I/O calibration, channel trim levels and other engineering functions.

FEATURES

- 8 53 segment Bargraphs with 4 phase correlation meters, peak hold and reset, twin scale (AES and analogue) with auto switching or analogue scale only menu option
- PPM, EBU, Nordic, DIN and VU analogue scale options
- 2 HD/SD inputs
- HD/SD copy feed
- Optional HD down conversion to Video
- 2 AES inputs, each with 4 AES pairs
- S/PDIF Optical input
- 2 Analogue inputs, each with 4 pairs
- Main analogue output via main level control and trim controls (4 pairs)
- Fixed level analogue output (4 pairs)
- AES output (4pairs)
- CUT all or individually selected main channels
- DIM (-20dB) main output
- Remote CUT and DIM control inputs (GPI)
- Monitor Output to main channels 1/2 for stereo monitoring with simple IP selection via individual channel select buttons
- Monitor output can monitor all inputs, Dolby outputs and main outputs independently of main output
- Monitor Output to headphone connector and XLR connectors on rear panel.
- All analogue I/O balanced line level
- Analogue level calibration via the LCD display
- Internal signal generator
- Optional Dolby E/D decoder
- Full Dolby metadata on RS422 connector
- Software upgradable via serial 232 port

AMU-8HD SPECIFICATION

Bargraphs

8 53 segment with 4 11segment phase correlation
 Frequency Response
 20Hz - 20KHz +0dB -0.3dB
 Noise
 >70dB w.r.t. 0dB
 Headroom
 >20dB w.r.t. 0dB
 Total Harmonic Distortion
 <0.05%

D/A and A/D conversion
 24 Bit

Inputs

Analogue IPA (8 channels) - 25 way D Female
 Analogue IPB (8 channels) - 25 way D Female
 AES A (4 Pairs) and AES B - (4 Pairs) 25 way D Female
 HD A (HD / SD auto Select) - BNC
 HD B (HD / SD auto Select) - BNC
 S/PDIF - Optical connector

Outputs

Analogue OP Fixed (8 channels) - 25 way D Female
 Analogue OP Variable (8 channels) - 25 way D Female
 Analogue monitor (Left and Right) - 2 x XLR
 AES OP (4 Pairs) - 25 way D Female
 HD OP1 (Copy of selected input) - BNC
 HD OP2 (As OP1 or converted based on options) - BNC
 Dimensions (W, H, D)
 19" (482mm) x 2U (88mm) x 180mm

OPTIONS

Dolby D/E decoder card

