

# ALTITUDE 32



#### OBJECT BASED DECODING (All versions)

- Dolby Atmos® Native Decoding & Up-mix: Up to 34 discrete channels
- Auro-3D® Native Decoding & Up-mix (Automatic): Up to 13.1
- DTS:X® Pro Native Decoding & Up-mix (NeuralX): Up to 30.2
- Speaker Layouts support: All
- IMAX Enhanced: Yes

#### HDMI CONNECTIVITY

- Output 1: HDMI 2.0 / HDCP 2.2
- Output 2: HDMI 2.0 / HDCP 2.2
- ARC / eARC: Available on Output 1
- 4K to 1080 Downscaling: Available on Output 1
- Inputs: 8
- Maximum resolution: 4K UHD on all ins/outs
- Maximum bandwidth: 18Gbps on all inputs
- Frame rates supported: 24/25/30/50/60 fps 120 fps (HD only)

#### DIGITAL AUDIO CONNECTIVITY

- S/PDIF Inputs: x8 (4 optical, 4 coaxial)
- S/PDIF Outputs: x2 (1 optical, 1 coaxial)
- AES3 Inputs (XLR): x2 • AES3 Outputs (XLR): x1
- AES3 Inputs (DB25) - x8 AL32-88, AL32-816
- AES3 Outputs (DB25) - x16 AL32-1624, AL32-1632
- AES3 Input Compliance: DCI

#### CHANNEL CAPABILITIES

- Max Channels: x12 (AL32-88), x20 (-816), x28 (-1624), x36 (-1632)
- Max Optimizer Channels: x12 (-88), x20 (-816), x28 (-1624), x36 (-1632)
- Max Subwoofers: x12 (-88), x20 (-816), x28 (-1624), x36 (-1632)
- Max Crossovers (2/3/4 way): 6/4/3 (-88), 10/6/5 (-816)
- Max Crossovers (2/3/4 way): 14/9/7 (-1624), 18/12/9 (-1632)
- Full Input / Output Matrix (all versions): Yes
- Configuration presets (all versions): 29

#### ANALOGUE AUDIO CONNECTIVITY

- Microphone input: 1x 5 Pin XLR for 3D Microphone
- Balanced inputs: 2x Stereo XLR (inserted carriage return for new line)
- Unbalanced inputs: 3x Stereo RCA, 1x 7.1 PCA
- Balanced XLR outputs: x8 (-88), x16 all other models
- Unbalanced outputs: 1x stereo RCA
- DB25 Analogue outputs: x8 (-88), x16 (-816), x24 (-1624), x32 (-1632)

#### CHANNEL BASED AUDIO DECODING

- Dolby: Digital®, Digital Plus®, TrueHD®
- DTS: Digital Surround®, High Res Audio®, HD Master Audio®
- PCM: Up to 24 bits / 192 kHz
- Room: YES

#### AUDIO PROCESSING

- Data precision: 64 bits, floating point
- Max Sampling Rate (up to 24 channels): Native, up to 192kHz
- Max Sampling Rate (up to 32 channel with +4 option): Native, up to 96kHz
- Max Sampling Rate (above 24 channels): Native, up to 96kHz
- Max Sampling Rate (above 32 channels): Native, up to 48kHz

#### HARDWARE

- Processor: Intel multi core hyper threaded
- ADC Resolution / Sampling Rate: 24 bits/96 kHz
- DAC Resolution / Sampling Rate: 24 bits/192 kHz
- A/D Signal-To-Noise Ratio: 119 dB (A-Weighted)
- D/A Signal-To-Noise Ratio: 118 dB (A-Weighted)
- Reference Level: +18dBu @ OdBFS (Balanced)
- Clock / Jitter: attenuation > 50 dB above 100Hz
- Cooling system: Custom heat sinks & silent fans
- Safety Components: AntiPop relays on each output

#### WARRANTY

- Standard Warranty: 5 year
- Transferable: Yes

#### POWER SUPPLY

- Power requirement: 240V / 110V 50 / 60Hz
- Power consumption: 132W Max
- Thermal conversion: 450 BTU/h Max
- Mains fuse: 2A Slow Blow
- Internal PSUs: Separated supplies for Audio and Processing

#### WEIGHT & DIMENSIONS

- Dimensions (W x H x D) mm: 442 x 165 x 445
- Dimensions (W x H x D) inches: 17.4 x 6.5 x 17.52
- Shipping box dimensions (W x H x D) cm: 74 x 59 x 30
- Weight: 14.5kg / 32 lbs
- Shipping weight / volume: 22.2kg / 0.131M3
- Rackmounting: 3.5U - Rack Ears Included