

| | HELIX C-DSP | AUDISON BIT-ONE | ALPINE PXA-H800 | MOSCONI GLADEN 6-TO-8 |
|---------------------------------------|---|---|--|--|
| Input | 8 x RCA | 6 x RCA | 6 x RCA | 6 x RCA |
| | 8 x High level Input | 8 x High level speaker Input | 6 x High level speaker Input (same as RCA) | 6 x High level speaker Input (same as RCA) |
| | 1 x Optical (6-192kHz/24Bit) | 1 x Optical (48Khz/24Bit) | 2 x Optical (unknown sampling) | 2 x Optical (48Khz/24Bit) Buy-option |
| | N/A | 1 x Coaxial (48Khz / 24 Bit) | N/A | N/A |
| | N/A | 2 x Aux | 2 x Ai-Net (Aux) | 1 x Aux (auto-sense) |
| Input sensitivity (Low input) | 1Vrms - 6Vrms | 0.3Vrms - 5Vrms | up to 2Vrms | 2Vrms - 8Vrms |
| Input Sensitivity (High input) | 2Vrms - 20Vrms | 1.2Vrms - 20Vrms | up to 7Vrms | 5Vrms - 20Vrms |
| Input Impedance (Low input) | No data | 20Kohm | 10Kohm | 10Kohm |
| Input impedance (High input) | No data | 5Kohm | 10Kohm | 47ohm |
| Output | 8 x RCA | 8 x RCA 1 x Digital out (48Khz / 24 bit AD Link) | 8 x RCA | 8 x RCA |
| Remote Controller | URC2A (Buy-option) 3,000- | DRC Remote control | RUX-C800 (Buy-option) 12,500- | RCD (Buy-option) 8,800- |
| Output Impedance | No data | No data | 1Kohm | 50 Ohms |
| DSP Resolution | 56 Bit | 32 Bit | 32 Bit | 48 Bit |
| DSP Processing power | 2 x 172 MHz | 1 x 266 MHz | 2 x 333 MHz SHARC | 1 x 135 MHz |
| DSP Type | Analog Device SIGMA DSP | Analog Device SHARC Processor | Analog Device SHARC Processor | Texas Instrument DSP |
| Number of DSP Processors | 2 x ADAU1445 | 1 x ADSP 21371 | 2 x ADSP 21365 | 1 x TI TAS3108 |
| Signal Converter | A/D Asahi Kasei AK5388 | A/D Wolfson WM8778 | A/D Cirrus CS5366 A/D Wolfson WM8782 | BurrBrown PCM3168A |
| | D/A Cirrus CS4385 | D/A Wolfson WM8778 | D/A Wolfson WM8742 | BurrBrown PCM3168A |
| Time Delay | 0.02 msec/step (15.6ms Max) | 0.02 msec/step (22ms Max) | 0.05 msec/step (20ms Max) | 0.02 msec/step (15ms Max) |
| Crossover | Butterworth, Bessel, Linkwitz-Riley, Tschebyshev, Self-define | Butterworth, Linkwitz-Riley | Fixed | Butterworth, Bessel, Linkwitz-Riley, Tschebyshev, Variable |
| Crossover slope | 6, 12, 18, 24, 30, 36, 42 | 6, 12, 18, 24, 30, 36, 42, 48 | 6, 12, 18, 24, 30, 36 | 6, 12, 18, 24, 30, 36, 42, 48, 60 |
| Crossover step | 1/24Oct per step | 10, 25, 50, 250, 500, 1000 step (depend on frequency) | 1/6Oct per step | 1dB per step |
| EQ Input | N/A | 31 Bands 1/30Oct +-12dB (x 4 aux) | N/A | 9 Bands 1Oct +-12dB Variable Q and Freq. |
| EQ Output | (8) 30 Bands 1/30Oct +5dB to -15dB | (8) 31 Bands 1/30Oct +-12dB | (Front) 31 Bands 1/30Oct +-12dB | (CH1-2) 31 Bands 1/30Oct +-12dB |
| | | | (Rear) 31 Bands 1/30Oct +-12dB | (CH3-4) 25 Bands 1/30Oct +-12dB |
| | | | (Center) 31 Bands 1/30Oct +-12dB | (CH5-6) 9 Bands 1/30Oct +-12dB |
| | | | (Subwoofer) 10 Bands +-12dB | (CH7-8) 9 Bands 1/30Oct +-12dB |
| Variable EQ Frequency | 1/24 Oct step | N/A | 1/3 Oct step | 10Hz step |
| Variable EQ Quality (Q) | 0.5-15 | N/A | N/A | 0.5-40 |
| Sub Crossover | 1 dB/step | 5-10 dB/step | 1/6 Oct/step | 1 dB/step |
| Sub Phase | 0-360 (22.5/step) | 0/180 | 0/180 | 0/180 |
| Frequency Response | 10 - 22.000 Hz | 4.5 - 21,000 Hz | 20 - 20,000 Hz | 20 - 20,000 Hz |
| Output Voltage | 6 Volts | 4 Volts | 4 Volts | 4 Volts |
| S/N (Optical) | 114 dB | 112 dB | >110 dB | No data |
| S/N (RCA) | 114 dB | 102 dB | >103 dB | No data |
| Distortion (THD) | 0.001% | 0.002% | 0.010% | 0.030% |
| Operating Voltage | 9.2 - 18 Vdc (max 5 secs. down to 6 Volts) | 11 - 15 Vdc | No data | 11 - 15 Vdc |
| Dimensions (mm) | 190 x 190 x 42 | 225 x 150 x 32.5 | 169 x 215 x 50.8 | 150 x 125 x 40 |