

SPECIFICATIONS

* Input Channels-	1-16	(configurable in software setup)
* Total Inputs-	24	(max engine capacity, 12 analog, 12 digital, external switcher is supported in software)
* Inputs per Channel	1-2 ,	(based on number of channels selected, 12 channel configuration has 2 inputs per ch)
* Mic inputs-	5	(internal, jumper selectable on channels 1-5, phantom power- external)
* Mic Turret Logic	4 mics	(channel On, Off, Tally, Cough, Talkback logic)
* Source Input Logic	24	(Start source, Stop source, via darlington transistor ground sink (50ma))
* Output buses-	3	(stereo, Program, Audition, & Utility, analog and digital outputs)
* Telephone buses-	2	(mono, mix minus, analog output)
* Mono Mixes-	3	(setup sets Program, Audition, or Utility outputs to mono mix)
* VU Meters	2 sets	(on screen, bar style, Pgm and Aud buses with peak and averaging indicators)
* Timer-		Presettable Down timer, plus Up timer, manual and automatic control
* Control Room Monitor		
* Inputs	5	(Ext 1-stereo analog (or digital), Ext 2- stereo analog, Pgm, Aud, Utl)
* Output		analog, stereo, line level (muted by Control room muting bus)
* Volume		Digital Level control
* Cue		Autocue into monitor system
* Control Room Headphones		
* Inputs		follows Control room Monitor input selector
* Output		analog, stereo, line level (unmuted)
* Volume		Digital Level control
* Cue		Autocue into headphones
* Studio Monitor		
* Inputs	5	(separately selectable to Studio Monitor system inputs)
* Output		analog, stereo, line level (muted by Studio muting bus)
* Volume		Digital Level control
* Studio Headphones		
* Inputs		follows Studio Monitor input selector
* Output		analog, stereo, line level (unmuted)
* Volume		Digital Level control
* Cue System		(a) stereo Autocue into Monitor & Headphones (b) mono, analog, line level output for external amp and speaker
* Talkback Output		line level, mono, analog output from Control Room mic
* Logic		tally- darlington transistor ground sink (50ma)
* Talkback Input		line level, mono, analog input to Monitor system
* Logic		input- opto isolated input to ground
* Muting Outputs		(a) Control room- darlington transistor ground sink (50ma) (b) Studio room- darlington transistor ground sink (50ma)
* Analog IO		(a) all analog inputs and outputs are active balanced circuits (b) levels- fixed for +4 or -10dBu input, digital level adjustable after A/D (c) connectors- 9 pin 0.090" standard Molex crimp
* Digital IO		(a) all digital inputs and outputs accept AES3 and SPDIF (b) levels- digital level adjustable (c) connectors- 3 pin XLR (d) Input Sample rate- sample rate converters on all digital inputs (e) Master clock- selectable, 32,44.1, 48 kHz (f) A/D's- 18 bit, 128x oversampled (g) D/A's- 18 bit, 8x oversampled
* Digital Mixing		32 bit accumulators
* System expansion		multiple Digital engines may be connected in series for input expansion each added engine adds 9 more input channels to the system (12/21/30/+)
* Control Ports	2	(RS232 serial ports)
* Software Requires		Operating system- Windows 95/98/2000/NT PC Hardware- minimum 166MHz Pentium, 32MB RAM, 10MB hard disk space, floppy drive, 1or more RS232 serial ports depending on configuration
* Console Software (incl)		controls all console features, adjustable from 1/2/4/8/12/& 16 channel control controls a maximum of (4) 7-14 input Arrakis analog routing switchers digital clock, Up & down timer, SAS switcher interface
* Turret Software (incl)		controls 4 mic channels, Host- On/off/cough/talkback, Guests- On/off digital clock, Up & down timer, Network Call director text window interface
* Switcher Software (incl)		control 1-8 channels of an RS232 Master control switcher (such as SAS, Sierra) digital clock, Up & down timer,
* Size	Digital engine	5 1/4" high (3RU) 18" deep, 19" wide
* Power	Digital engine-	90-240 VAC, 50-60 Hz, autosensing, 70 watts