

	ne Two-Channel(pe) <sup>1</sup>	ne Multi-Channel(pe) <sup>1</sup>	pema	nXp
<b>DSP<sup>1</sup> &amp; Functions</b>	ne800(pe) ne1600(pe) ne2400(pe)	ne4250(pe) ne8250(pe)	pema 4125 pema 8125 pema 4250 pema 8250	nXp 4002 / 4004 nXp 8002 / 8004 nXp 1.52 / 1.54 nXp 3.02 / 3.04
Mic Preamp (phantom power)	–	4-ch option (15V)	standard (15V)	–
Signal Generator	input + output	input + output	input + output	input + output
Input Gain	-40 to +12dB	Off to +12dB	Off to +12dB	Off to +12dB
Output Gain	-40 to +12dB	Off to +12dB	Off to +12dB	Off to +12dB
Polarity Select	input + output	input + output	input + output	input + output
Clip (Brick Wall) Limiter	input + output	input + output	input + output	input + output
Compressor	input + output	input + output	input + output	input + output
Gate	input + output	input + output	input + output	input + output
Autoleveler	input + output	input + output	input + output	input + output
Ducker	input + output	input + output	input + output	input + output
Ambient Noise Compensation	–	–	output	output
Feedback Suppressor	–	–	input	input
EQ-FIR Filter	output	output	output	output
EQ-31-band	input + output	input + output	input + output	input + output
EQ-Parametric	input + output	input + output	input + output	input + output
EQ-Hi/Low Shelf	input + output	input + output	input + output	input + output
EQ-All Pass Filter	input + output	input + output	input + output	input + output
EQ-Variable Q HP/LP Filter	input + output	input + output	input + output	input + output
EQ-Notch Filter	input + output	input + output	input + output	input + output
EQ-Band Pass Filter	input + output	input + output	input + output	input + output
Crossover	output	output	output	output
Delay	input + output	input + output	input + output	input + output
Matrix Mixer	2 x 4	4x4, 8x8	8 x 8	2 x 4, 4 x 4
Automatic Mixer	–	–	yes	yes
Sample Rate	48kHz / 96kHz	48kHz / 96kHz	48kHz / 96kHz	48kHz / 96kHz
AES3 option	yes	yes	–	yes
Dante™ option	yes	yes	yes	yes
CobraNet® option	yes	yes	yes	yes
Remote Control <sup>2</sup>	DC/Network	DC/Data/Network	DC/Data/Network	DC/Data/Network
Remote Standby	yes	yes	yes	yes
Automatic Sleep Mode	–	–	–	yes
Direct Remote Preset 1-4 Recall	–	yes	yes	yes
Fault Logic Output	–	–	–	yes
Analog AUX Outputs	yes	–	yes (4 ch only)	yes
Event Scheduler	–	–	yes	yes
Fault Log	–	–	yes	yes

<sup>1</sup> DSP must be factory installed at time of purchase. NE two-channel and NE multi-channel amplifiers with DSP added have the (pe) designation, meaning “Protea Equipped”. Pema amplifiers always have DSP. nX amplifiers with DSP are called nXp.

<sup>2</sup> Remote Control:

1) DC = Remote volume control using WR-1 or equivalent passive potentiometer circuit

2) Data = Remote serial data control using Ashly WR-5, RD-8C, or third party controller

3) Network = Remote network control using Ashly devices neWR-5, FR-8, FR-16, or Ashly Remote app for Ipad®

DSP & Function	4.8/3.6SP	ne24.24M	ne4400	ne4800	ne8800
Mic Preamp (phantom power)	-	standard (48V)	optional (48V)	optional (48V)	optional (48V)
Signal Generator	-	input + output	input + output	input + output	input + output
Input Gain	-40 to +12dB	Off to +12dB	Off to +12dB	Off to +12dB	Off to +12dB
Output Gain	-40 to +12dB	Off to +12dB	Off to +12dB	Off to +12dB	Off to +12dB
Polarity Select	output	input + output	input + output	input + output	input + output
Brick Wall Limiter	-	-	input + output	input + output	input + output
Compressor	output	output	input + output	input + output	input + output
Gate	-	input	input + output	input + output	input + output
Autoleveler	-	input	input + output	input + output	input + output
Ducker	-	input	input + output	input + output	input + output
Ambient Noise Compensation	-	-	output	output	output
Feedback Suppressor	-	-	input	input	input
EQ-FIR Filter	-	-	output	output	output
EQ-31-band	-	-	input + output	input + output	input + output
EQ-Parametric	input + output	input + output	input + output	input + output	input + output
EQ-Hi/Low Shelf	input + output	input + output	input + output	input + output	input + output
EQ-All Pass Filter	-	input + output	input + output	input + output	input + output
EQ-Variable Q HP/LP Filter	output	input + output	input + output	input + output	input + output
EQ-Notch Filter	-	input + output	input + output	input + output	input + output
EQ-Band Pass Filter	-	input + output	input + output	input + output	input + output
Crossover	yes	yes	yes	yes	yes
Delay	input + output	input + output	input + output	input + output	input + output
Matrix Mixer	routing only	yes	4 x 4	4 x 8	8 x 8
Automatic Mixer	-	-	yes	yes	yes
Sample Rate	48kHz	48kHz	48kHz / 96kHz	48kHz / 96kHz	48kHz / 96kHz
AES3 option	-	-	yes	yes	yes
Dante™ option	-	-	yes	yes	yes
CobraNet® option	-	-	yes	yes	yes
Remote Control*	-	DC/Data/Network	DC/Data/Network	DC/Data/Network	DC/Data/Network
Assignable Logic I/O	-	output option	yes	yes	yes
Word Clock I/O	-	-	yes	yes	yes
RS-232 port	yes	yes	yes	yes	yes
USB port	yes	-	-	-	-

*\*Remote Control:*

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