











Company		Cadwell Laboratories Inc	CareFusion	CleveMed	Compumedics USA Inc	Natus Medical Inc
Product		 Easy III Amplifier with Easy III Software	 SomnoStar Software with z4 Amplifier	 Sapphire PSG	 Grael HD-PSG Amplifier with ProFusion PSG 4 Software	 Sandman
Website		www.cadwell.com	www.carefusion.com	www.clevedmed.com	www.compumedics.com	www.natus.com
PSG SOFTWARE	Year Introduced	2007	1986	2003	2007	1995
	Current Version Number	4.1.4	11.1	7.9	4.1	10.1.3
	Updates Policy	Included	Included unless hardware/training required; included with service contract	Included during warranty period; discounted after	Updates within version included; charge for version upgrades (discounts with warranty/service contract)	Updates included; charge for upgrades
	Custom Reports	Included	Included (customer may create own reports)	Included	Imbedded ProFusion Report tools in Microsoft Word	Additional fee
LAB MANAGEMENT SOFTWARE	SQL Based	No	Yes	No	Yes	Yes
	Separate or Integrated with PSG	Integrated	Integrated	Integrated	Integrated	Enterprise
	Queryable Search Engine	Yes (via clinical database report generator)	Yes	No	Yes	Yes
	HL 7 Enabled	Yes (optional)	Yes	No	Yes (optional)	Yes
AMPLIFIERS	Year Introduced	2007	2008	2007	2009	2012 (latest iteration)
	Number of Channels	32-128	48	21	40 AC; 77 total	60 and 32
	Number of Auxiliary Device Channels	8 DC; 12 EasyNet	16	1	16	8 DC
	Works With Devices That Offer +/-1 or +/-5 Volts	Yes	Yes	+/- 1 V only	Yes	Yes
	Sampling Rates (Hz)	4,000	2,000	256	Up to 4,096 per channel; oximeter up to 256	N7000: 2,000; S4500: 500
	AASM Compliant	Yes	Yes	Yes	Yes	Yes
	Transmission Mode	Cat 5/6	Cat 5	Wireless	Cat 5e	IEEE802.11G: IEEE802.11B, TCP/IP
	Warranty (years)	1	1 (extended available)	1	1	1
VIDEO	Fixed Focus or PTZ	Both available	Both	Compatible with both	Both	Both
	Integrated IFR Generator or Stand-alone	Both available	Stand-alone	Integrated	Both available	Both
	Adjustable Frame Rate During Collection	No	Yes	Yes	No	Yes
	Post-acquisition Editing	Yes	Yes	No	Yes	Yes
	Integrated Intercom	Yes (optional)	No	No	Yes (Louroe)	Yes
TRANSDUCERS	RIP Belts (Reusable/ Disposable)	Both available	Both	Both available	Both available	Both
	RIP Integrated to Amplifier or Requires Conditioner Box	Conditioner box integrated in belts	Neither	Conditioner box	Integrated	Integrated
	Installation Included in Purchase	Yes	Yes	Yes	Yes	Yes

Company		Nihon Kohden America Inc	Philips Respironics	Sleepvirtual	SOMNOmedics America Inc	SOMNOmedics America Inc
Product		 PSG-1100 Sleep System	 Alice 6 LDxN with Sleepware G3	 BW3 PSG Plus	 SOMNOscreen HD with DOMINO Software	 SOMNOscreen plus PSG with DOMINO Software
Website		us.nihonkohden.com	www.philips.com/sleepdx	www.sleepvirtual.com	www.somnomedics-diagnostics.com	www.somnomedics-diagnostics.com
PSG SOFTWARE	Year Introduced	1998	2011	2015	2007	2007
	Current Version Number	9	3.8.1	1.95	2.8.0	2.8.0
	Updates Policy	Updates included; charge for upgrades	Included	Included	Included	Included; charge for upgrades
	Custom Reports	Customer may create own; fees for custom reports created by Nihon Kohden	Customer may create their own or 4 hours of custom report writing with system purchase	Included	Customer may create own report; company created templates	Customer may create own, company created templates
LAB MANAGEMENT SOFTWARE	SQL Based	Yes	Yes (via third party Lab Manager Solution)	Yes	Yes	Yes
	Separate or Integrated with PSG	Integrated	Separate	Integrated	PSG Integrated	Integrated
	Queryable Search Engine	Yes	Yes	Yes	Yes	Yes
	HL 7 Enabled	Yes	Yes (optional)	Yes	Yes	Yes
AMPLIFIERS	Year Introduced	2013	2011	2012	2016	2007
	Number of Channels	42	57	50	70	58
	Number of Auxiliary Device Channels	6-14	8	8	16	16
	Works With Devices That Offer +/-1 or +/-5 Volts	Yes	Yes (+/- 1.65 V)	Yes	Yes	Yes
	Sampling Rates (Hz)	Up to 2,000	2,000	2,000	Up to 4,000	Up to 4,000
	AASM Compliant	Yes	Yes	Yes	Yes	Yes
	Transmission Mode	IP addressable	Cat 5	TCP/IP	Wireless	Wireless
	Warranty (years)	1	2	2	2	2
VIDEO	Fixed Focus or PTZ	Both	Both available	Both	Both available	Both available
	Integrated IFR Generator or Stand-alone	Both	Integrated on fixed focus; stand-alone on PTZ	Both	Integrated	Integrated
	Adjustable Frame Rate During Collection	Yes	Yes	Yes	Yes	Yes
	Post-acquisition Editing	Yes	Yes	Yes	Yes	Yes
	Integrated Intercom	No	Yes (by VoIP)	Yes	Yes	Yes
TRANSDUCERS	RIP Belts (Reusable/ Disposable)	Both available	Reusable zRIP DuraBelt	Both	Reusable RIP-belts	Both
	RIP Integrated to Amplifier or Requires Conditioner Box	Conditioner box	Integrated	Integrated	Abdomen integrated, Thorax conditioner box	Conditioner box
	Installation Included in Purchase	No	Yes	Yes	Yes	Yes