

4K

Ultra HD High Frame Rate

Channel In A Box

with HEVC or H.264 IP streaming options

Playout Automation
Real-Time Graphics
Live Sources in Schedule
Ultra HD or 4+4 HD/SD Modes
4x 3G SDI or 6/12G SDI, IP TS I/O
SDI Routers & VTR Control
Live & File Ingest, HEVC Support
Fully Integrated MultiViewer Output
Closed Captions, EAS Messaging, WST
Mirroring for Redundancy for SDI & IP Outputs
Asset Management, 3rd party Traffic Integration



SkyLark SL NEO Media Servers & Processors Series & Models 2015

SL NEO Media-Servers, Processors and Software
for Broadcasting, Live Production,
IPTV & Web Streaming

www.skylark.tv

FILE RECORDERS

1100 SD, 1300 HD/SD, 1400 UltraHD/HD Models

What's included: fully configured and ready for work server platform with pre-installed video IO boards, pre-installed SL NEO Server and Client software bundle, software codecs, 1 client software license for an additional client workstation.

1-year standard warranty, 1-year telephone/e-mail technical support.

SD/HD/UHD configurations. Multichannel capture for production, playout and archiving, time-table based automated recording, optional VTR control and batch-captures, Closed Captions and Teletext data capture.

Supported file containers: AVI, MOV, MP4, MXF D-10/OP1A, RAW DV/DIF, MPEG PS/TS, FLV.

Supported codecs: AVID DNxHD (120, 145, 185, 220 Mbit/s), Panasonic (DVCPRO25, DVCPRO50, DVCPProHD), Sony XDCAM IMX (30, 40, 50 Mbit/s), XDCAM HD 422, HDV, AVCHD, DV25/DVCAM, MPEG-2 4:2:0, 4:2:2, IPB GOP or I-frames, H.264, Apple Pro Res.

VITC support (for frame-accurate captures from tape), low-res copy generation (1/4 resolution, MPEG-2 or H.264).

HD/UHD 4K models with SDI inputs

Base Model	Inputs	Outputs	Video IO platform	Signal types
Matrox DSX LE4 based models				
SL NEO 1410 M16	1UHD or 4HD/SD	0	Matrox DSX LE4	4x3G SDI or 4x HD/SD SDI+AE
BlackMagic Decklink based models (no VBI/VANC support)				
SL NEO1410 B16	1UHD or 1HD/SD	0	Decklink 4K Extreme	6/12G SDI or 1x HD/SD SDI+AE/HDMI

HD/SD models

Base Model	Inputs	Outputs	Video IO Platform	Signal types
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SDI inputs

Matrox DSX LE3/LE4 based models

SL NEO 1310 M4	1	0	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 1320 M4	2	0	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 1340 M8	4	0	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 1360 M8	6	0	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 1380 M8	8	0	Matrox DSX LE3/4	HD/SD SDI+AE

DVB ASI/IP TS inputs

Dektec DTA based models

SL NEO 1310 D4	1	0	Dektec, Ethernet	ASI/IP SPTS
SL NEO 1320 D4	2	0	Dektec, Ethernet	ASI/IP SPTS
SL NEO 1340 D8	4	0	Dektec, Ethernet	ASI/IP SPTS
SL NEO 1360 D8	6	0	Dektec, Ethernet	ASI/IP SPTS
SL NEO 1380 D8	8	0	Dektec, Ethernet	ASI/IP SPTS

IP UDP/RTP TS inputs

Ethernet based models

SL NEO 1310 E4	1	0	Onboard Ethernet	IP SPTS
SL NEO 1320 E4	2	0	Onboard Ethernet	IP SPTS
SL NEO 1340 E8	4	0	Onboard Ethernet	IP SPTS
SL NEO 1360 E8	6	0	Onboard Ethernet	IP SPTS
SL NEO 1380 E8	8	0	Onboard Ethernet	IP SPTS

DVI-I/DVI-D/VGA inputs

SL NEO 1320 P8	2	0	DataPath	DVI-I/DVI-D/VGA
SL NEO 1340 P8	4	0	DataPath	DVI-I/DVI-D/VGA

SD-only models

Base Model	Inputs	Outputs	Video IO Platform	Signal types
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SDI inputs

Matrox DSX LE3/LE4 based models

SL NEO 1120 M4	2	0	Matrox DSX LE3/4	SD SDI+AE
SL NEO 1140 M4	4	0	Matrox DSX LE3/4	SD SDI+AE

SL NEO 1160 M8	6	0	Matrox DSX LE3/4	SD SDI+AE
SL NEO 1180 M8	8	0	Matrox DSX LE3/4	SD SDI+AE
SL NEO 11.12.0 M8	12	0	Matrox DSX LE3/4	SD SDI+AE

DVB ASI/IP TS or SD SDI inputs

Dektec DTA based models

SL NEO 1120 D4	2	0	Dektec, Ethernet	ASI/IP TS/SD SDI+AE
SL NEO 1140 D4	4	0	Dektec, Ethernet	ASI/IP TS/SD SDI+AE
SL NEO 1160 D8	6	0	Dektec, Ethernet	ASI/IP TS/SD SDI+AE
SL NEO 1180 D8	8	0	Dektec, Ethernet	ASI/IP TS/SD SDI+AE
SL NEO 11.12.0 D8	12	0	Dektec, Ethernet	ASI/IP TS/SD SDI+AE

IP UDP/RTP TS inputs

SL NEO 1120 E4	2	0	Onboard Ethernet	IP SPTS
SL NEO 1140 E4	4	0	Onboard Ethernet	IP SPTS
SL NEO 1160 E8	6	0	Onboard Ethernet	IP SPTS
SL NEO 1180 E8	8	0	Onboard Ethernet	IP SPTS
SL NEO 11.12.0 E8	12	0	Onboard Ethernet	IP SPTS

SOFTWARE & HARDWARE OPTIONS FOR THE SL NEO 1000 SERIES

Name	Description
HP/Dell Chassis	HP/Dell Hardware Platform
AES IN	AES I/O Hardware Option

Additional ASI SPTS inputs

ASI HD SPTS IN	1x Additional HD ASI SPTS IN or OUT Ch. via Dektec DTA
ASI SD SPTS IN	1x Additional SD ASI SPTS IN or OUT Ch. via Dektec DTA

Additional IP SPTS inputs

IP HD SPTS IN/REC CH	1x Additional HD IP SPTS Input/Rec. Ch. via Onboard Ethernet Port
IP SD SPTS IN/REC CH	1x Additional SD IP SPTS Input/Rec. Ch. via Onboard Ethernet Port

Transport Stream Multiplexer/Demultiplexer

SL NEO TS REMUX	Remux Software Option for IP/ASI TS
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Additional MultiScreen (HD SDI/HDMI) outputs

4 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
8 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
12 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output

Internal RAID-array expansion

Up to 8/12/16/24/36/48/60 TB Internal RAID Storage

Device control, device server

RS-422/1394 VTR Device Server	1...4 x VTR Control for Ingest (RS-422 PCIe board included)
AV Router Device Server	AV Router Control Server Software for Control from Client PC
AV Router Device Server for Ingest	AV Router Server Software for Switching from Rec-List
GPI I/O Device Server	GPI Device Control (1...8 ports, ext. USB GPI module included)
External CP	External USB Control Panel (10...80 keys)

Automated file transfer

Media File Transfer Software	Automatic File/SL NEO Clips Transfer use Transfer Rules
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CLIENT WORKSTATION SOFTWARE FOR SL NEO MEDIA-SERVERS

Name	Description
Air Manager Client Software	Ingest/Playout Ch. Control, Graphics/Playlist Editors, MAM Client
News Cut Client Software	Networked fast NLE with Proxy Support
Multiscreen Client Software	Networked Client for Live I/O ch. Monitoring on Client PC
Routing Client Software	AV Router Multiuser Control Software from Client PC
Full Client Software Kit	All Clients Software Modules Included

Model Designation: SL NEO ABCD EF

A	Server or Processor Series 1...9
B	1,2 - SD only models, 3,5 - HD/SD models, 4,6 - UHD/HD/SD models
C	Number of Inputs (Live & Rec Channels)
D	Number of Outputs (Program/Playout Channels)
E	I/O Board Type/Brand Name or TS Interface Type: <ul style="list-style-type: none"> M Matrox DSX IO Boards D DekTec DTA IO Boards B BlackMagic DeckLink IO Boards S StreamLabs IO Boards P DataPath IO Boards E Ethernet, Onboard Ethernet Port
F	Internal Storage Capacity (Tb): <ul style="list-style-type: none"> 4 4 Tb, Hardware RAID-10, 4xHDD RE 2Tb 8 8 Tb, Hardware RAID-10, 8xHDD RE 2Tb 16 16 Tb, Hardware RAID-10, 8xHDD RE 4Tb or 16xHDD RE 2Tb

I/O Signals & Streams Designations:

CVBS	Composite Video	ASI
AA	Audio Analogue	IP
SDI	Digital Video SDI	SPTS
AE	Embedded Audio in SDI	
AES	AES I/O available in some models with Matrox DSX Boards	

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PLAYOUT SERVERS WITH GRAPHICS AND BUILT-IN BROADCAST AUTOMATION SYSTEM

2100 SD, 2300 HD/SD, 2400 UltraHD/HD Models

What's included: fully configured and ready for work server platform with pre-installed video IO boards, pre-installed SL NEO Server and Client software bundle, software codecs, 1 client software license for an additional client workstation.

1-year standard warranty, 1-year telephone/e-mail technical support.

Up to 12x Channels In a Box: Multichannel SD/HD/UHD 4K configurations for automated playout, optional built-in encoding to ASI/IP TS, on-fly UP/DOWN/CROSS conversion, content management, automated media-file transfer, collective networked workflows and much more. All in one server system.

Supported media-file containers: AVI, MOV, MP4, MXF D-10/OP1A, RAW DV/DIF, MPEG PS/TS, FLV.

Supported codecs: AVID DNxHD (120, 145, 185, 220 Mbit/s), Panasonic (DVCPRO25, DVCPRO50, DVCProHD), Sony XDCAM IMX (30, 40, 50 Mbit/s), XDCAM HD 422, HDV, AVCHD, DV25/DVCAM, MPEG-2 4:2:0, 4:2:2, IPB GOP or I-frames, Apple Pro Res. HEVC support: non-realtime import/export, playback. Low-res copy generation (1/4 resolution, MPEG-2 or H.264).

HD/UHD 4K models with SDI outputs

Base Model	Inputs	Outputs	Video IO platform	Signal types
Matrox DSX LE4 based models				
SL NEO 2401 M16	0	1UHD or 4HD/SD	Matrox DSX LE4	4x3G SDI or 4x HD/SD SDI+AE
BlackMagic Decklink based models (no VBI/VANC support)				
SL NEO 2401 B16	0	1UHD or 1HD/SD	Decklink 4K Extreme	6/12G SDI or 1x HD/SD SDI+AE/HDMI

HD/SD models

Base Model	Inputs	Outputs	Video IO platform	Signal types
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SDI outputs

Matrox DSX LE3/LE4 based models

SL NEO 2301 M4	0	1	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 2302 M8	0	2	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 2304 M8	0	4	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 2306 M8	0	6	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 2308 M8	0	8	Matrox DSX LE3/4	HD/SD SDI+AE

BlackMagic Decklink based models (no VBI/VANC support)

SL NEO 2301 B4	0	1	Decklink SDI	HD/SD SDI+AE
SL NEO 2302 B8	0	2	Decklink DUO	HD/SD SDI+AE
SL NEO 2304 B8	0	4	Decklink QUAD	HD/SD SDI+AE
SL NEO 2306 B8	0	6	Decklink QUAD	HD/SD SDI+AE
SL NEO 2308 B8	0	8	Decklink QUAD	HD/SD SDI+AE

DVB ASI/IP TS outputs

Dektec DTA based models

SL NEO 2301 D4	0	1	Dektec DTA	ASI/IP SPTS
SL NEO 2302 D8	0	2	Dektec DTA	ASI/IP SPTS
SL NEO 2304 D8	0	4	Dektec DTA	ASI/IP SPTS

IP UDP/RTP TS outputs

SL NEO 2301 E4	0	1	Onboard Ethernet	IP SPTS
SL NEO 2302 E8	0	2	Onboard Ethernet	IP SPTS
SL NEO 2304 E8	0	4	Onboard Ethernet	IP SPTS

HD-ready models (HD hardware platform, SD software license)

Base Model	Inputs	Outputs	Video IO platform	Signal types
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SDI outputs

Matrox DSX LE3/LE4 based models

SL NEO 2301 M4	0	1	Matrox DSX LE3/4	SD SDI+AE
SL NEO 2302 M8	0	2	Matrox DSX LE3/4	SD SDI+AE
SL NEO 2304 M8	0	4	Matrox DSX LE3/4	SD SDI+AE
SL NEO 2306 M8	0	6	Matrox DSX LE3/4	SD SDI+AE
SL NEO 2308 M8	0	8	Matrox DSX LE3/4	SD SDI+AE

BlackMagic Decklink based models (no VBI/VANC support)

SL NEO 2301 B4	0	1	Decklink SDI	SD SDI+AE
SL NEO 2302 B8	0	2	Decklink DUO	SD SDI+AE
SL NEO 2304 B8	0	4	Decklink QUAD	SD SDI+AE
SL NEO 2306 B8	0	6	Decklink QUAD	SD SDI+AE
SL NEO 2308 B8	0	8	Decklink QUAD	SD SDI+AE

SD-only models

Base Model	Inputs	Outputs	Video IO platform	Signal types
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SDI outputs

Matrox DSX.SD/LE3/LE4 based models

SL NEO 2101 M4	0	1	Matrox DSX.SD	CVBS/YUV/SDI+AE/AA
SL NEO 2102 M4	0	2	Matrox DSX.SD	CVBS/YUV/SDI+AE/AA
SL NEO 2104 M4	0	4	Matrox DSX LE3/4	SD SDI+AE
SL NEO 2106 M8	0	6	Matrox DSX LE3/4	SD SDI+AE
SL NEO 2108 M8	0	8	Matrox DSX LE3/4	SD SDI+AE
SL NEO 210.12M8	0	12	Matrox DSX LE3/4	SD SDI+AE

BlackMagic Decklink based models (no VBI/VANC support)

SL NEO 2101 B4	0	1	Decklink SDI	SD SDI+AE
SL NEO 2102 B4	0	2	Decklink DUO	SD SDI+AE
SL NEO 2104 B4	0	4	Decklink QUAD	SD SDI+AE
SL NEO 2106 B8	0	6	Decklink QUAD	SD SDI+AE
SL NEO 2108 B8	0	8	Decklink QUAD	SD SDI+AE
SL NEO 210.12B8	0	12	Decklink QUAD	SD SDI+AE

DVB ASI/IP TS or SD SDI outputs

Dektec DTA based models

SL NEO 2101 D4	0	1	Dektec, Ethernet	ASI SPTS/SD SDI+AE
SL NEO 2102 D4	0	2	Dektec, Ethernet	ASI SPTS/SD SDI+AE
SL NEO 2104 D4	0	4	Dektec, Ethernet	ASI SPTS/SD SDI+AE
SL NEO 2106 D8	0	6	Dektec, Ethernet	ASI SPTS/SD SDI+AE
SL NEO 2108 D8	0	8	Dektec, Ethernet	ASI SPTS/SD SDI+AE

IP UDP/RTP TS outputs

SL NEO 2101 E4	0	1	Onboard Ethernet	IP SPTS
SL NEO 2102 E4	0	2	Onboard Ethernet	IP SPTS
SL NEO 2104 E4	0	4	Onboard Ethernet	IP SPTS
SL NEO 2106 E8	0	6	Onboard Ethernet	IP SPTS
SL NEO 2108 E8	0	8	Onboard Ethernet	IP SPTS

PLAYERS FOR PRODUCTION

2500 HD/SD, 2600 UltraHD/HD Models

Multichannel SD/HD/UHD configurations for content production (play-list based or manual clip playback, no device control, no graphics).

HD/UHD 4K models with SDI outputs

Base Model	Inputs	Outputs	Video IO platform	Signal types
Matrox DSX LE4 based models				
SL NEO 2601 M8	0	1UHD or 4HD/SD	Matrox DSX LE4	4x3G SDI or 4x HD/SD SDI+AE
BlackMagic Decklink based models (no VBI/VANC support)				
SL NEO 2601 B8	0	1UHD or 1HD/SD	Decklink 4K Extreme	6/12G SDI or 1x HD/SD SDI+AE/HDMI

HD/SD models with SDI outputs

Base Model	Inputs	Outputs	Video IO platform	Signal types
Matrox DSX LE3/LE4 based models				
SL NEO 2501 M4	0	1	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 2502 M4	0	2	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 2504 M4	0	4	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 2506 M4	0	6	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 2508 M4	0	8	Matrox DSX LE3/4	HD/SD SDI+AE
BlackMagic Decklink based models (no VBI/VANC support)				
SL NEO 2501 B4	0	1	Decklink SDI	HD/SD SDI+AE
SL NEO 2502 B4	0	2	Decklink DUO	HD/SD SDI+AE
SL NEO 2504 B4	0	4	Decklink QUAD	HD/SD SDI+AE
SL NEO 2506 B4	0	6	Decklink QUAD	HD/SD SDI+AE
SL NEO 2508 B4	0	8	Decklink QUAD	HD/SD SDI+AE

SOFTWARE & HARDWARE OPTIONS FOR THE SL NEO 2000 SERIES

Option name	Description
HP/Dell Chassis	HP/Dell Hardware Platform
AES IN/OUT	AES I/O Hardware Option
Additional ASI SPTS output	
ASI HD SPTS OUT	1x Additional HD ASI SPTS OUT Ch. via Dektec DTA
ASI SD SPTS OUT	1x Additional SD ASI SPTS OUT Ch. via Dektec DTA
Additional IP SPTS output	
IP HD SPTS Program OUT CH	1x Additional HD IP SPTS Payout Ch. via Onboard Ethernet Port
IP SD SPTS Program OUT CH	1x Additional SD IP SPTS Payout Ch. via Onboard Ethernet Port
IP HD SPTS Encoding OUT CH	1x Additional HD IP SPTS Encoding Ch. via Onboard Ethernet Port
IP SD SPTS Encoding OUT CH	1x Additional SD IP SPTS Encoding Ch. via Onboard Ethernet Port
IP UHD SPTS Encoding OUT CH	1x Additional UHD IP SPTS Encoding Ch. via Onboard Ethernet Port
Transport Stream Multiplexer/Demultiplexer	
SL NEO TS MUX	Mux Software Option for IP/ASI TS
Additional MultiScreen (HD SDI/HDMI) outputs	
4 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
8 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
12 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
Internal RAID-array expansion	
Up to 8/12/16/24/36/48/60 TB Internal RAID Storage	
Device control, Device server	
RS-422/1394 VTR Device Server	1...4 x VTR Control for Ingest (RS-422 PCIe board included)
AV Router Device Server	AV Router Server for Multiuser Control on Client PC
AV Router Device Server for Automatic Ingest or Program Switching	AV Router Server for Frame Accurate Program Switching
GPI I/O Device Server	GPI Device Control (1...8 ports, ext. USB GPI module included)
External CP	External USB Control Panel (10...80 keys)
Automated file transfer, backup and redundancy for payout automation	
Media File Transfer Software	Automatic File/SL NEO Clips Transfer use Transfer Rules
Main-Backup Payout Sync	Main and Backup Playlist Sync Option (for 1 Output Program)

Multilanguage support, closed-captioning

DVB Audio Multitrack	Multilanguage support option for IP/ASI I/O TS (for 1 Program Output)
DVB Subtitle	Subtitles generation option for IP/ASI Output TS (for 1 Program Output)
Closed Captioning Subtitle	Closed captions generation for live-shows for SDI Output (for 1 Program Output)

CLIENT WORKSTATION SOFTWARE FOR SL NEO MEDIA-SERVERS

Name	Description
Air Manager Client Software	Ingest/Payout Ch. Control, Graphics/Playlist Editors, MAM Client
News Cut Client Software	Networked fast NLE with Proxy Support
Multiscreen Client Software	Networked Client for Live I/O ch. Monitoring on Client PC
Routing Client Software	AV Router Multiuser Control Software from Client PC
Full Client Software Kit	All Clients Software Modules Included

Model Designation: SL NEO ABCD EF

A	Server or Processor Series 1...9
B	1,2 - SD only models, 3,5 - HD/SD models, 4,6 - UHD/HD/SD models
C	Number of Inputs (Live & Rec Channels)
D	Number of Outputs (Program/Payout Channels)
E	I/O Board Type/Brand Name or TS Interface Type: <ul style="list-style-type: none">M Matrox DSX IO BoardsD DekTec DTA IO BoardsB BlackMagic DeckLink IO BoardsS StreamLabs IO BoardsP DataPath IO BoardsE Ethernet, Onboard Ethernet Port
F	Internal Storage Capacity (Tb): <ul style="list-style-type: none">4 4 Tb, Hardware RAID-10, 4xHDD RE 2Tb8 8 Tb, Hardware RAID-10, 8xHDD RE 2Tb16 16 Tb, Hardware RAID-10, 8xHDD RE 4Tb or 16xHDD RE 2Tb

I/O Signals & Streams Designations:

CVBS	Composite Video	ASI
AA	Audio Analogue	IP
SDI	Digital Video SDI	SPTS
AE	Embedded Audio in SDI	
AES	AES I/O available in some models with Matrox DSX Boards	

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UNIVERSAL SERVERS: INGEST, PLOUT, GRAPHICS, LIVE SOURCES IN SCHEDULE, PIP, DVE, BUILD-IN BROADCAST AUTOMATION SYSTEM 3100 SD, 3300 HD/SD, 3400 UltraHD/HD Models

What's included: fully configured and ready for work server platform with pre-installed video IO boards, pre-installed SL NEO Server and Client software bundle, software codecs, 1 client software license for an additional client workstation.

1-year standard warranty, 1-year telephone/e-mail technical support.

Up to 12x Channels In a Box: Multichannel UHD/HD/SD, HD ready configurations. Time-table based automated recording, optional VTR control and batch-captures, Closed Captions and Teletext data capture. Live/file/streaming sources and automatic or manual playlist control. Emergency relay bypass for digital I/O lines (for Matrox DSX LE4 only). Optional encoding to ASI/IP TS, on-fly UP/DOWN/CROSS conversion, time-shift, profanity-delay, closed-captioning, content management, automated file transfer and transcoding, collective networked workflows and other highly demanded functions. All in one server system.

Supported media-file containers: AVI, MOV, MP4, MXF D-10/OP1A, RAW DV/DIF, MPEG PS/TS, FLV.

Supported codecs: AVID DNxHD (120, 145, 185, 220 Mbit/s), Panasonic (DVCPRO25, DVCPRO50, DVCProHD), Sony XDCAM IMX (30, 40, 50 Mbit/s), XDCAM HD 422, HDV, AVCHD, DV25/DVCAM, MPEG-2 4:2:0, 4:2:2, IPB GOP or I-frames, Apple Pro Res. HEVC support: non-realtime file import/export, playback. VITC capture (frame-accurate captures from tape), low-res copy generation (1/4 resolution, MPEG-2 or H.264).

HD/UHD 4K models with SDI I/O

Base Model	Inputs	Outputs	Video IO platform	Signal types
Matrox DSX LE4 based models				
SL NEO 3411 M16	1+1 UHD or 4+4 Re-configurable HD/SD		Matrox DSX LE4	8x 3G SDI or 8x HD/SD SDI+AE
BlackMagic Decklink based models (no VBI/VANC support)				
SL NEO 3411 B16	1+1 UHD or 1+1 HD/SD		Decklink 4K Extreme	2x 6/12G SDI or 2x HD/SD SDI+AE/HDMI

HD/SD models

Base Model	Inputs	Outputs	Video IO Platform	Signal types
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SDI I/O

Matrox DSX LE4 based models (Re-configurable I/O Channels)

SL NEO 33X2 M8	2 Re-configurable IO		Matrox DSX LE4	HD/SD SDI+AE
SL NEO 33X4 M8	4 Re-configurable IO		Matrox DSX LE4	HD/SD SDI+AE
SL NEO 33X6 M8	6 Re-configurable IO		Matrox DSX LE4	HD/SD SDI+AE
SL NEO 33X8 M8	8 Re-configurable IO		Matrox DSX LE4	HD/SD SDI+AE

Matrox DSX LE3/LE4 based models: (Fixed I/O Channels. Emergency relay bypass for I/O lines - option)

SL NEO 3311 M8	1	1	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 3312 M8	1	2	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 3322 M8	2	2	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 3324 M8	2	4	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 3326 M8	2	6	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 3333 M8	3	3	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 3344 M8	4	4	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 3342 M8	4	2	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 3362 M8	6	2	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 3364 M8	6	4	Matrox DSX LE3/4	HD/SD SDI+AE

DVB ASI/IP TS I/O

Dektec DTA based models

SL NEO 3311 D4	1	1	Dektec, Ethernet	ASI/IP SPTS
SL NEO 33X4 D8	4 Re-configurable IO		Dektec, Ethernet	ASI/IP SPTS

IP UDP/RTP TS I/O

SL NEO 3311 E4	1	1	Onboard Ethernet	IP SPTS
SL NEO 33X4 E8	4 Re-configurable IO		Onboard Ethernet	IP SPTS

HD-ready models (HD hardware platform, SD software license)

Base Model	Inputs	Outputs	Video IO Platform	Signal types
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SDI I/O

Matrox DSX LE4 based models (Re-configurable I/O Channels)

SL NEO 31X2 M8 HR	2 Re-configurable IO		Matrox DSX LE4	SD SDI+AE
SL NEO 31X4 M8 HR	4 Re-configurable IO		Matrox DSX LE4	SD SDI+AE
SL NEO 31X6 M8 HR	6 Re-configurable IO		Matrox DSX LE4	SD SDI+AE
SL NEO 31X8 M8 HR	8 Re-configurable IO		Matrox DSX LE4	SD SDI+AE

Matrox DSX LE3/LE4 based models: (Fixed I/O Channels. Emergency relay bypass for I/O lines - option)

SL NEO 3111 M8 HR	1	1	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3112 M8 HR	1	2	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3122 M8 HR	2	2	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3124 M8 HR	2	4	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3126 M8 HR	2	6	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3133 M8 HR	3	3	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3144 M8 HR	4	4	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3142 M8 HR	4	2	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3162 M8 HR	6	2	Matrox DSX LE3/4	SD SDI+AE

SD-only models

Base Model	Inputs	Outputs	Video IO Platform	Signal types
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SDI I/O

Matrox DSX LE4 based models (Re-configurable I/O Channels)

SL NEO 31X2 M8 HR	2 Re-configurable IO		Matrox DSX LE4	SD SDI+AE
SL NEO 31X4 M8 HR	4 Re-configurable IO		Matrox DSX LE4	SD SDI+AE
SL NEO 31X6 M8 HR	6 Re-configurable IO		Matrox DSX LE4	SD SDI+AE
SL NEO 31X8 M8 HR	8 Re-configurable IO		Matrox DSX LE4	SD SDI+AE

Matrox DSX.SD and DSX LE3 based models (Fixed I/O Channels)

SL NEO 3111 M4	1	1	Matrox DSX.SD	CVBS/YUV/SDI+AE/AA
SL NEO 3112 M4	1	2	Matrox DSX.SD	CVBS/YUV/SDI+AE/AA
SL NEO 3122 M4	2	2	Matrox DSX.SD	CVBS/YUV/SDI+AE/AA
SL NEO 3124 M8	2	4	Matrox DSX.SD	CVBS/YUV/SDI+AE/AA
SL NEO 3126 M4	2	6	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3133 M8	3	3	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3142 M8	4	2	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3144 M8	4	4	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3146 M8	4	6	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3162 M8	6	2	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3164 M8	6	4	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3166 M8	6	6	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3182 M8	8	2	Matrox DSX LE3/4	SD SDI+AE
SL NEO 3184 M8	8	4	Matrox DSX LE3/4	SD SDI+AE

DVB ASI/IP TS or SD SDI I/O

Dektec DTA based models

SL NEO 3111 D4	1	1	Dektec, Ethernet	ASI/IP TS/SD SDI+AE
SL NEO 31X4 D4	4 Re-configurable IO		Dektec, Ethernet	ASI/IP TS/SD SDI+AE
SL NEO 31X6 D8	6 Re-configurable IO		Dektec, Ethernet	ASI/IP TS/SD SDI+AE
SL NEO 31X8 D8	8 Re-configurable IO		Dektec, Ethernet	ASI/IP TS/SD SDI+AE

IP UDP/RTP TS I/O

SL NEO 3111 E4	1	1	Onboard Ethernet	IP SPTS
SL NEO 31X4 E4	4 Re-configurable IO		Onboard Ethernet	IP SPTS
SL NEO 31X6 E8	6 Re-configurable IO		Onboard Ethernet	IP SPTS
SL NEO 31X8 E8	8 Re-configurable IO		Onboard Ethernet	IP SPTS

FILE RECORDERS & PLAYERS FOR PRODUCTION (NO DEVICE CONTROL, NO GRAPHICS)

3500 HD/SD, 3600 UltraHD/HD Models

Multichannel SD/HD/UHD configurations for production, ingest and play-list based or manual clip payout (no device control, no graphics).

HD/UHD 4K models with SDI I/O

Base Model	Inputs	Outputs	Video IO platform	Signal types
Matrox DSX LE4 based models				
SL NEO 3611 M8	1+1 UHD or 4+4 Re-configurable HD/SD		Matrox DSX LE4	8x 3G SDI or 8x HD/SD SDI+AE
BlackMagic Decklink based models (no VBI/VANC support)				
SL NEO 3611 B8	1+1 UHD or 1+1 HD/SD		Decklink 4K Extreme	2x 6/12G SDI or 2x HD/SD SDI+AE/HDMI

HD/SD models with SDI I/O

Base Model	Inputs	Outputs	Video IO platform	Signal types
Matrox DSX LE4 based models (Re-configurable I/O Channels)				
SL NEO 35X2 M8	2 Re-configurable IO		Matrox DSX LE4	HD/SD SDI+AE
SL NEO 35X4 M8	4 Re-configurable IO		Matrox DSX LE4	HD/SD SDI+AE
SL NEO 35X6 M8	6 Re-configurable IO		Matrox DSX LE4	HD/SD SDI+AE
SL NEO 35X8 M8	8 Re-configurable IO		Matrox DSX LE4	HD/SD SDI+AE
Matrox DSX LE3 based models (Fixed I/O Channels)				
SL NEO 3511 M4	1	1	Matrox DSX LE3	HD/SD SDI+AE
SL NEO 3512 M4	1	2	Matrox DSX LE3	HD/SD SDI+AE
SL NEO 3522 M4	2	2	Matrox DSX LE3	HD/SD SDI+AE
SL NEO 3524 M4	2	4	Matrox DSX LE3	HD/SD SDI+AE
SL NEO 3542 M4	4	2	Matrox DSX LE3	HD/SD SDI+AE
SL NEO 3544 M4	4	4	Matrox DSX LE3	HD/SD SDI+AE

SOFTWARE & HARDWARE OPTIONS FOR THE SL NEO 3000 SERIES

Name	Description
HP/Dell Chassis	HP/Dell Hardware Platform
AES IN/OUT	AES I/O Hardware Option
Additional ASI SPTS inputs-outputs	
ASI HD SPTS IN/OUT	1x Additional HD ASI SPTS IN or OUT Ch. via Dektec DTA
ASI SD SPTS IN/OUT	1x Additional SD ASI SPTS IN or OUT Ch. via Dektec DTA
Additional IP SPTS inputs-outputs	
IP UHD SPTS IN/REC CH	1x Additional UHD IP SPTS Input/Rec. Ch. via Onboard Ethernet Port
IP HD SPTS IN/REC CH	1x Additional HD IP SPTS Input/Rec. Ch. via Onboard Ethernet Port
IP SD SPTS IN/REC CH	1x Additional SD IP SPTS Input/Rec. Ch. via Onboard Ethernet Port
IP HD SPTS Program OUT CH	1x Additional HD IP SPTS Payout Ch. via Onboard Ethernet Port
IP SD SPTS Program OUT CH	1x Additional SD IP SPTS Payout Ch. via Onboard Ethernet Port
IP UHD SPTS Encoding OUT CH	1x Additional UHD IP SPTS Encoding Ch. via Onboard Ethernet Port
IP HD SPTS Encoding OUT CH	1x Additional HD IP SPTS Encoding Ch. via Onboard Ethernet Port
IP SD SPTS Encoding OUT CH	1x Additional SD IP SPTS Encoding Ch. via Onboard Ethernet Port
Transport Stream Multiplexer/Demultiplexer	
SL NEO TS MUX/REMUX	Mux/Remux Software Option for IP/ASI TS
Additional MultiScreen (HD SDI/HDMI) outputs	
4 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
8 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
12 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
Internal RAID-array expansion	
Up to 8/12/16/24/36/48/60 TB Internal RAID Storage	
Device control, Device server	
RS-422/1394 VTR Device Server	1...4 x VTR Control for Ingest (RS-422 PCIe board included)
AV Router Device Server	AV Router Server for Multiuser Control on Client PC
AV Router Device Server for Automatic Ingest or Program Switching	AV Router Server for Ingest or Frame Accurate Program Switching
GPI I/O Device Server	GPI Device Control (1...8 ports, ext. USB GPI module included)
External CP	External USB Control Panel (10...80 keys)

Time Shift, Profanity Delay

Time Shift Software Module	Delay from 3 sec. to 300 h. (for 1 Input and 1 Program Output)
Profanity Delay Software Module	Short delay from 1 to 30 sec. (for 1 Input and 1 Program Output)

Automated file transfer, backup and redundancy for playout automation

Media File Transfer Software	Automatic File/SL NEO Clips Transfer use Transfer Rules
Main-Backup Playout Sync Software	Main and Backup Playlist Sync Option (for 1 Program Output)
Relay bypass	Emergency relay bypass for digital IO lines (for Matrox DSX LE4 only)

Multilanguage support, closed-captioning

DVB Audio Multitrack	Multilanguage support option for IP/ASI I/O TS (for 1 Program Output)
DVB Subtitle	Subtitles generation option for IP/ASI Output TS (for 1 Program Output)
Closed Captioning Subtitle	Closed captions generation for live-shows for SDI Output (for 1 Program Output)

CLIENT WORKSTATION SOFTWARE FOR SL NEO MEDIA-SERVERS

Name	Description
Air Manager Client Software	Ingest/Playout Ch. Control, Graphics/Playlist Editors, MAM Client
News Cut Client Software	Networked fast NLE with Proxy Support
Multiscreen Client Software	Networked Client for Live I/O ch. Monitoring on Client PC
Routing Client Software	AV Router Multiuser Control Software from Client PC
Full Client Software Kit	All Clients Software Modules Included

Model Designation: SL NEO ABCD EF

A	Server or Processor Series 1...9
B	1,2 - SD only models, 3,5 - HD/SD models, 4,6 - UHD/HD/SD models
C	Number of Inputs (Live & Rec Channels)
D	Number of Outputs (Program/Playout Channels)
E	I/O Board Type/Brand Name or TS Interface Type: M Matrox DSX IO Boards D DekTec DTA IO Boards B BlackMagic DeckLink IO Boards S StreamLabs IO Boards P DataPath IO Boards E Ethernet, Onboard Ethernet Port
F	Internal Storage Capacity (Tb): 4 4 Tb, Hardware RAID-10, 4xHDD RE 2Tb 8 8 Tb, Hardware RAID-10, 8xHDD RE 2Tb 16 16 Tb, Hardware RAID-10, 8xHDD RE 4Tb or 16xHDD RE 2Tb

I/O Signals & Streams Designations:

CVBS	Composite Video	ASI
AA	Audio Analogue	IP
SDI	Digital Video SDI	SPTS
AE	Embedded Audio in SDI	
AES	AES I/O available in some models with Matrox DSX Boards	

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SERVERS FOR TIME-SHIFTED BROADCASTING

4100 SD, 4300 HD/SD, 4400 UltraHD/HD Models

What's included: fully configured and ready for work server platform with pre-installed video IO boards, pre-installed SL NEO Server and Client software bundle, software codecs, 1 client software license for an additional client workstation.
1-year standard warranty, 1-year telephone/e-mail technical support.

Organization of multi-timezone broadcasting, Time delays from 3 minutes to a few days in SD/HD or SD-only formats. Transport Streams can be Time-Shifted with or without recompression.

HD/UHD 4K models with SDI I/O

Base Model	Inputs	Outputs	Video IO platform	Signal types
Matrox DSX LE4 based models				
SL NEO 4411 M8	1+1 UHD or 4+4 Re-configurable HD/SD		Matrox DSX LE4	8x 3G SDI or 8x HD/SD SDI+AE
BlackMagic Decklink based models (no VBI/VANC support)				
SL NEO 4411 B8	1+1 UHD or 1+1 HD/SD		Decklink 4K Extreme	2x 6/12G SDI or 2x HD/SD SDI+AE/HDMI

HD/SD models

Base Model	Inputs	Outputs	Video IO Platform	Signal Types
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SDI I/O

Matrox DSX LE3/LE4 based models

SL NEO 4311 M4	1	1	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4312 M4	1	2	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4313 M4	1	3	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4314 M4	1	4	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4315 M4	1	5	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4316 M4	1	6	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4322 M4	2	2	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4324 M4	2	4	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4326 M4	2	6	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4328 M4	2	8	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4333 M4	3	3	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 4344 M4	4	4	Matrox DSX LE3/4	HD/SD SDI+AE

DVB ASI/IP TS I/O

Dektec DTA based models

SL NEO 4311 D4	1	1	Dektec, Ethernet	ASI/IP SPTS
SL NEO 4312 D4	1	2	Dektec, Ethernet	ASI/IP SPTS
SL NEO 4313 D4	1	3	Dektec, Ethernet	ASI/IP SPTS
SL NEO 4314 D4	1	4	Dektec, Ethernet	ASI/IP SPTS
SL NEO 4315 D4	1	5	Dektec, Ethernet	ASI/IP SPTS
SL NEO 4316 D4	1	6	Dektec, Ethernet	ASI/IP SPTS
SL NEO 4322 D4	2	2	Dektec, Ethernet	ASI/IP SPTS
SL NEO 4333 D4	3	3	Dektec, Ethernet	ASI/IP SPTS
SL NEO 4344 D4	4	4	Dektec, Ethernet	ASI/IP SPTS

IP UDP/RTP TS I/O

SL NEO 4311 E4	1	1	Onboard Ethernet	IP SPTS
SL NEO 4312 E4	1	2	Onboard Ethernet	IP SPTS
SL NEO 4313 E4	1	3	Onboard Ethernet	IP SPTS
SL NEO 4314 E4	1	4	Onboard Ethernet	IP SPTS
SL NEO 4315 E4	1	5	Onboard Ethernet	IP SPTS
SL NEO 4316 E4	1	6	Onboard Ethernet	IP SPTS
SL NEO 4322 E4	2	2	Onboard Ethernet	IP SPTS
SL NEO 4333 E4	3	3	Onboard Ethernet	IP SPTS
SL NEO 4344 E4	4	4	Onboard Ethernet	IP SPTS

SD-only models

Base Model	Inputs	Outputs	Video IO Platform	Signal Types
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SDI I/O

Matrox DSX.SD/LE3/LE4 based models

SL NEO 4111 M4	1	1	Matrox DSX.SD	CVBS/YUV/SDI+AE/AA
SL NEO 4112 M4	1	2	Matrox DSX.SD	CVBS/YUV/SDI+AE/AA
SL NEO 4113 M4	1	3	Matrox DSX LE3/4	SD SDI+AE
SL NEO 4114 M4	1	4	Matrox DSX LE3/4	SD SDI+AE
SL NEO 4115 M4	1	5	Matrox DSX LE3/4	SD SDI+AE
SL NEO 4116 M4	1	6	Matrox DSX LE3/4	SD SDI+AE
SL NEO 4122 M4	2	2	Matrox DSX LE3/4	SD SDI+AE
SL NEO 4124 M4	2	4	Matrox DSX LE3/4	SD SDI+AE
SL NEO 4126 M4	2	6	Matrox DSX LE3/4	SD SDI+AE
SL NEO 4128 M4	2	8	Matrox DSX LE3/4	SD SDI+AE
SL NEO 4133 M4	3	3	Matrox DSX LE3/4	SD SDI+AE
SL NEO 4144 M4	4	4	Matrox DSX LE3/4	SD SDI+AE

DVB ASI/IP TS or SD SDI I/O

Dektec DTA based models

SL NEO 4111 D4	1	1	Dektec, Ethernet	ASI/IP SPTS/SD SDI+AE
SL NEO 4112 D4	1	2	Dektec, Ethernet	ASI/IP SPTS/SD SDI+AE
SL NEO 4113 D4	1	3	Dektec, Ethernet	ASI/IP SPTS/SD SDI+AE
SL NEO 4114 D4	1	4	Dektec, Ethernet	ASI/IP SPTS/SD SDI+AE
SL NEO 4115 D4	1	5	Dektec, Ethernet	ASI/IP SPTS/SD SDI+AE
SL NEO 4116 D4	1	6	Dektec, Ethernet	ASI/IP SPTS/SD SDI+AE
SL NEO 4122 D4	2	2	Dektec, Ethernet	ASI/IP SPTS/SD SDI+AE
SL NEO 4133 D4	3	3	Dektec, Ethernet	ASI/IP SPTS/SD SDI+AE
SL NEO 4144 D4	4	4	Dektec, Ethernet	ASI/IP SPTS/SD SDI+AE

IP UDP/RTP TS I/O

SL NEO 4111 E4	1	1	Onboard Ethernet	IP SPTS
SL NEO 4112 E4	1	2	Onboard Ethernet	IP SPTS
SL NEO 4113 E4	1	3	Onboard Ethernet	IP SPTS
SL NEO 4114 E4	1	4	Onboard Ethernet	IP SPTS
SL NEO 4115 E4	1	5	Onboard Ethernet	IP SPTS
SL NEO 4116 E4	1	6	Onboard Ethernet	IP SPTS
SL NEO 4122 E4	2	2	Onboard Ethernet	IP SPTS
SL NEO 4133 E4	3	3	Onboard Ethernet	IP SPTS
SL NEO 4144 E4	4	4	Onboard Ethernet	IP SPTS

PROFANITY DELAY SERVERS FOR LIVE SHOWS

4200 SD, 4500 HD/SD Models

Easy removal of unwanted video or audio from live translations. Time-Delay from 1 to 30 seconds, "blur" or video graphics overlays, beep or prerecorded jingle audio overlays, HD/SD or SD-only formats

HD/SD models with SDI I/O

Base Model	Inputs	Outputs	Video IO Platform	Signal Types
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Matrox DSX LE3/LE4 based models

SL NEO 4511 M0	1	1	Matrox DSX LE3/4	HD/SD SDI+AE/AES
SL NEO 4522 M0	2	2	Matrox DSX LE3/4	HD/SD SDI+AE/AES
SL NEO 4533 M0	3	3	Matrox DSX LE3/4	HD/SD SDI+AE/AES
SL NEO 4544 M0	4	4	Matrox DSX LE3/4	HD/SD SDI+AE/AES

SD-only models with SDI I/O

Base Model	Inputs	Outputs	Video IO Platform	Signal Types
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Matrox DSX.SD/LE3/LE4 based models

SL NEO 4211 M0	1	1	Matrox DSX.SD	CVBS/YUV/SDI+AE/AA
SL NEO 4222 M0	2	2	Matrox DSX LE3	HD/SD SDI+AE
SL NEO 4233 M0	3	3	Matrox DSX LE3	HD/SD SDI+AE
SL NEO 4244 M0	4	4	Matrox DSX LE3	HD/SD SDI+AE

SOFTWARE & HARDWARE OPTIONS FOR THE SL NEO 4000 SERIES

Name	Description
HP/Dell Chassis	HP/Dell Hardware Platform
AES IN/OUT	AES I/O Hardware Option
Additional ASI SPTS inputs-outputs	
ASI HD SPTS IN/OUT	1x Additional HD ASI SPTS IN or OUT Ch. via Dektec DTA
ASI SD SPTS IN/OUT	1x Additional SD ASI SPTS IN or OUT Ch. via Dektec DTA
Additional IP SPTS inputs-outputs	
IP UHD SPTS IN CH	1x Additional UHD IP SPTS Input/Rec. Ch. via Onboard Ethernet Port
IP HD SPTS IN CH	1x Additional HD IP SPTS Input/Rec. Ch. via Onboard Ethernet Port
IP SD SPTS IN CH	1x Additional SD IP SPTS Input/Rec. Ch. via Onboard Ethernet Port
IP UHD SPTS Encoding OUT CH	1x Additional UHD IP SPTS Encoding Ch. via Onboard Ethernet Port
IP HD SPTS Encoding OUT CH	1x Additional HD IP SPTS Encoding Ch. via Onboard Ethernet Port
IP SD SPTS Encoding OUT CH	1x Additional SD IP SPTS Encoding Ch. via Onboard Ethernet Port
Transport Stream Multiplexer/Demultiplexer/Cherry-picker	
SL NEO TS MUX/REMUX	Mux/Remux Software Option for IP/ASI TS
Additional MultiScreen (HD SDI/HDMI) outputs	
4 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
8 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
12 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
Internal RAID-array expansion	
Up to 8/12/16/24/36/48/60 TB Internal RAID Storage	
Backup and redundancy	
Relay bypass	Emergency relay bypass for digital IO lines (for Matrox DSX LE4 only)
Device control	
GPI I/O Device Server	GPI Device Control (1...8 ports, ext. USB GPI module included)
External CP	External USB Control Panel (10...80 keys)

CLIENT WORKSTATION SOFTWARE FOR SL NEO MEDIA-SERVERS

Name	Description
Air Manager Client Software	Ingest/Playout Ch. Control, Graphics/Playlist Editors, MAM Client
News Cut Client Software	Networked fast NLE with Proxy Support
Multiscreen Client Software	Networked Client for Live I/O ch. Monitoring on Client PC
Routing Client Software	AV Router Multiuser Control Software from Client PC
Full Client Software Kit	All Clients Software Modules Included

Model Designation: SL NEO ABCD EF

A	Server or Processor Series 1...9
B	1,2 - SD only models, 3,5 - HD/SD models, 4,6 - UHD/HD/SD models
C	Number of Inputs (Live & Rec Channels)
D	Number of Outputs (Program/Playout Channels)
E	I/O Board Type/Brand Name or TS Interface Type:
	M Matrox DSX IO Boards
	D DekTec DTA IO Boards
	B BlackMagic DeckLink IO Boards
	S StreamLabs IO Boards
	P DataPath IO Boards
	E Ethernet, Onboard Ethernet Port
F	Internal Storage Capacity (Tb):
	4 4 Tb, Hardware RAID-10, 4xHDD RE 2Tb
	8 8 Tb, Hardware RAID-10, 8xHDD RE 2Tb
	16 16 Tb, Hardware RAID-10, 8xHDD RE 4Tb or 16xHDD RE 2Tb

I/O Signals & Streams Designations:

CVBS	Composite Video	ASI
AA	Audio Analogue	IP
SDI	Digital Video SDI	SPTS
AE	Embedded Audio in SDI	
AES	AES I/O available in some models with Matrox DSX Boards	

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SERVERS FOR BROADCAST GRAPHICS

5100 SD, 5300 HD/SD, 5400 UltraHD/HD Models

What's included: fully configured and ready for work server platform with pre-installed video IO boards, pre-installed SL NEO Server and Client software bundle, software codecs, 1 client software license for an additional client workstation.

1-year standard warranty, 1-year telephone/e-mail technical support.

SD/HD/UHD configurations, Fill+Key output or "pass-through" mode. Up to 8 independent play-list based graphics layers for each program output + 1 independent logo layer. Built-in integration with broadcast automation system based on SkyLark SL NEO 2000-3000 series Media-Servers.

Output designation: one program output SDI with embedded audio, pass-through mode; 1F+1K - pair Fill with embedded audio +Key; 1PGM/1F+1K - one program output with embedded audio, pass-through mode or one pair Fill with embedded audio + Key.

HD/UHD 4K models with SDI I/O

Base Model	Inputs	Outputs	Video IO platform	Signal types
Matrox DSX LE4 based models				
SL NEO 5411 M8	1+1 UHD or 4+4 HD/SD Live-pass-through		Matrox DSX LE4	8x 3G SDI or 8x HD/SD SDI+AE
BlackMagic Decklink based models (no VBI/VANC support)				
SL NEO 5411 B8	1+1 UHD or 1+1 HD/SD Live-pass-through		Decklink 4K Extreme	2x 6/12G SDI or 2x HD/SD SDI+AE/HDMI

HD/SD models with SDI I/O

Base Model	Inputs	Outputs	Video IO Platform	Signal Types
Matrox DSX LE3/LE4 based models				
SL NEO 5301 M4	0	1F+1K	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 5311 M4	1	1PGM/1F+1K	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 5302 M4	0	2F+2K	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 5322 M4	2	2PGM/2F+2K	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 5304 M4	0	4F+4K	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 5344 M4	4	4PGM/4F+4K	Matrox DSX LE3/4	HD/SD SDI+AE

SD-only models with SDI I/O

Base Model	Inputs	Outputs	Video IO Platform	Signal Types
Matrox DSX.SD/LE3/LE4 based models				
SL NEO 5101 M4	0	1F+1K	Matrox DSX.SD	CVBS/YUV/SDI+AE/AA
SL NEO 5111 M4	1	1PGM/1F+1K	Matrox DSX LE3/4	CVBS/YUV/SDI+AE/AA
SL NEO 5102 M4	0	2F+2K	Matrox DSX LE3/4	CVBS/YUV/SDI+AE/AA
SL NEO 5122 M4	2	2PGM/2F+2K	Matrox DSX LE3/4	CVBS/YUV/SDI+AE/AA
SL NEO 5104 M4	0	4F+4K	Matrox DSX LE3/4	SD SDI+AE
SL NEO 5144 M4	4	4PGM/4F+4K	Matrox DSX LE3/4	SD SDI+AE

SOFTWARE & HARDWARE OPTIONS FOR THE SL NEO 5000 SERIES

Name	Description
HP/Dell Chassis	HP/Dell Hardware Platform
AES IN/OUT	AES I/O Hardware Option
Internal RAID-array expansion	
Up to 8/12/16/24/36/48/60 TB Internal RAID Storage	
Device control, Device server	
GPI I/O Device Server	GPI Device Control (1...8 ports, ext. USB GPI module included)
External CP	External USB Control Panel (10...80 keys)
Automated file transfer, backup and redundancy for payout automation	
Media File Transfer Software	Automatic File/SL NEO Clips Transfer use Transfer Rules
Main-Backup Payout Sync	Main and Backup Playlist Sync Option (for 1 Output Program)
Relay bybass	Emergency relay bypass for digital IO lines (for Matrox DSX LE4 only)

CLIENT WORKSTATION SOFTWARE FOR SL NEO MEDIA-SERVERS

Name	Description
Air Manager Client Software	Ingest/Playout Ch. Control, Graphics/Playlist Editors, MAM Client
News Cut Client Software	Networked fast NLE with Proxy Support
Multiscreen Client Software	Networked Client for Live I/O ch. Monitoring on Client PC
Routing Client Software	AV Router Multiuser Control Software from Client PC
Full Client Software Kit	All Clients Software Modules Included

Model Designation: SL NEO ABCD EF

A	Server or Processor Series 1...9
B	1,2 - SD only models, 3,5 - HD/SD models, 4,6 - UHD/HD/SD models
C	Number of Inputs (Live & Rec Channels)
D	Number of Outputs (Program/Playout Channels)
E	I/O Board Type/Brand Name or TS Interface Type: <ul style="list-style-type: none">M Matrox DSX IO BoardsD DekTec DTA IO BoardsB BlackMagic DeckLink IO BoardsS StreamLabs IO BoardsP DataPath IO BoardsE Ethernet, Onboard Ethernet Port
F	Internal Storage Capacity (Tb): <ul style="list-style-type: none">4 4 Tb, Hardware RAID-10, 4xHDD RE 2Tb8 8 Tb, Hardware RAID-10, 8xHDD RE 2Tb16 16 Tb, Hardware RAID-10, 8xHDD RE 4Tb or 16xHDD RE 2Tb

I/O Signals & Streams Designations:

CVBS	Composite Video	ASI
AA	Audio Analogue	IP
SDI	Digital Video SDI	SPTS
AE	Embedded Audio in SDI	
AES	AES I/O available in some models with Matrox DSX Boards	

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COMPLIANCE RECORDERS (LOGGEERS)

6100 SD, 6300 HD/SD, 6400 UltraHD/HD Models

What's included: fully configured and ready for work server platform with pre-installed video IO boards, pre-installed SL NEO Server and Client software bundle, software codecs, 1 client software license for an additional client workstation.

1-year standard warranty, 1-year telephone/e-mail technical support.

SD/HD/UHD configurations. Automated time table based recording, low-bitrate recording for air-logging (MPEG-2 or H.264), on-line monitoring and preview over network. As an option, servers may come with analog TV, DVB-T/C/S receivers (not included in server's price)

HD/UHD 4K models with SDI inputs

Base Model	Inputs	Outputs	Video IO platform	Signal types
Matrox DSX LE4 based models				
SL NEO 6410 M8	1UHD or 4HD/SD	0	Matrox DSX LE4	4x3G SDI or 4x HD/SD SDI+AE
BlackMagic Decklink based models (no VBI/VANC support)				
SL NEO6410 B8	1UHD or 1HD/SD	0	Decklink 4K Extreme	6/12G SDI or 1x HD/SD SDI+AE/HDMI

HD/SD models

Base Model	Inputs	Outputs	Video IO Platform	Signal Types
SDI inputs				
Matrox DSX LE3/LE4 based models				
SL NEO 6310 M4	1	0	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 6320 M4	2	0	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 6340 M8	4	0	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 6360 M8	6	0	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 6380 M8	8	0	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 63.12.0 M8	12	0	Matrox DSX LE3/4	HD/SD SDI+AE
MH4LM based models				
SL NEO 6310 S4	1	0	MH4LM	HD/SD SDI+AE
SL NEO 6320 S4	2	0	MH4LM	HD/SD SDI+AE
SL NEO 6340 S8	4	0	MH4LM	HD/SD SDI+AE
SL NEO 6360 S8	6	0	MH4LM	HD/SD SDI+AE
SL NEO 6380 S8	8	0	MH4LM	HD/SD SDI+AE
SL NEO 63.12.0 S8	12	0	MH4LM	HD/SD SDI+AE
DVB ASI/IP TS inputs				
Dektec DTA based models				
SL NEO 6310 D4	1	0	Dektec DTA	ASI/IP SPTS
SL NEO 6320 D4	2	0	Dektec DTA	ASI/IP SPTS
SL NEO 6340 D4	4	0	Dektec DTA	ASI/IP SPTS
SL NEO 6360 D8	6	0	Dektec DTA	ASI/IP SPTS
SL NEO 6380 D8	8	0	Dektec DTA	ASI/IP SPTS
SL NEO 63.12.0 D8	12	0	Dektec DTA	ASI/IP SPTS
IP UDP/RTP TS inputs				
SL NEO 6310 E4	1	0	Onboard Ethernet	IP SPTS
SL NEO 6320 E4	2	0	Onboard Ethernet	IP SPTS
SL NEO 6340 E4	4	0	Onboard Ethernet	IP SPTS
SL NEO 6360 E8	6	0	Onboard Ethernet	IP SPTS
SL NEO 6380 E8	8	0	Onboard Ethernet	IP SPTS
SL NEO 63.12.0 E8	12	0	Onboard Ethernet	IP SPTS

SD-only models

Base Model	Inputs	Outputs	Video IO Platform	Signal Types
Matrox DSX LE3/LE4 based models				
SL NEO 6120 M4	2	0	Matrox DSX LE3/4	SD SDI+AE
SL NEO 6140 M4	4	0	Matrox DSX LE3/4	SD SDI+AE
SL NEO 6160 M8	6	0	Matrox DSX LE3/4	SD SDI+AE
SL NEO 6180 M8	8	0	Matrox DSX LE3/4	SD SDI+AE
SL NEO 61.12.0 M8	12	0	Matrox DSX LE3/4	SD SDI+AE
SL NEO 61.16.0 M8	16	0	Matrox DSX LE3/4	SD SDI+AE
MH4LM based models				
SL NEO 6120 S4	2	0	MH4LM	SD SDI+AE
SL NEO 6140 S4	4	0	MH4LM	SD SDI+AE
SL NEO 6160 S4	6	0	MH4LM	SD SDI+AE
SL NEO 6180 S8	8	0	MH4LM	SD SDI+AE
SL NEO 61.12.0 S8	12	0	MH4LM	SD SDI+AE
SL NEO 61.16.0 S8	16	0	MH4LM	SD SDI+AE

DVB ASI/IP TS or SD SDI inputs

Dektec DTA based models

SL NEO 6120 D4	2	0	Dektec DTA	ASI/IP SPTS/SD SDI+AE
SL NEO 6140 D4	4	0	Dektec DTA	ASI/IP SPTS/SD SDI+AE
SL NEO 6160 D4	6	0	Dektec DTA	ASI/IP SPTS/SD SDI+AE
SL NEO 6180 D8	8	0	Dektec DTA	ASI/IP SPTS/SD SDI+AE
SL NEO 61.12.0 D8	12	0	Dektec DTA	ASI/IP SPTS/SD SDI+AE

IP UDP/RTP TS inputs

SL NEO 6120 E4	2	0	Onboard Ethernet	IP SPTS
SL NEO 6140 E4	4	0	Onboard Ethernet	IP SPTS
SL NEO 6160 E4	6	0	Onboard Ethernet	IP SPTS
SL NEO 6180 E8	8	0	Onboard Ethernet	IP SPTS
SL NEO 61.12.0 E8	12	0	Onboard Ethernet	IP SPTS
SL NEO 61.16.0 E8	16	0	Onboard Ethernet	IP SPTS

SOFTWARE & HARDWARE OPTIONS FOR THE SL NEO 6000 SERIES

Name	Description
HP/Dell Chassis	HP/Dell Hardware Platform
AES IN/OUT	AES I/O Hardware Option
Additional ASI SPTS inputs	
ASI HD SPTS IN/OUT	1x Additional HD ASI SPTS IN or OUT Ch. via Dektec DTA
ASI SD SPTS IN/OUT	1x Additional SD ASI SPTS IN or OUT Ch. via Dektec DTA
Additional IP SPTS inputs	
IP HD SPTS IN/REC CH	1x Additional HD IP SPTS Input/Rec. Ch. via Onboard Ethernet Port
IP SD SPTS IN/REC CH	1x Additional SD IP SPTS Input/Rec. Ch. via Onboard Ethernet Port
IP HD SPTS Encoding OUT CH	1x Additional HD IP SPTS Encoding Ch. via Onboard Ethernet Port
IP SD SPTS Encoding OUT CH	1x Additional SD IP SPTS Encoding Ch. via Onboard Ethernet Port
Transport Stream Multiplexer/Demultiplexer/Cherry-picker	
SL NEO TS REMUX	Remux Software Option for IP/ASI TS
Additional MultiScreen (HD SDI/HDMI) outputs	
4 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
8 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
12 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
Internal RAID-array expansion	
Up to 8/12/16/24/36/48/60 TB Internal RAID Storage	
Device control, Device server	
GPI I/O Device Server	GPI Device Control (1...8 ports, ext. USB GPI module included)
External CP	External USB Control Panel (10...80 keys)
Automated file transfer	
Media File Transfer Software	Automatic File/SL NEO Clips Transfer use Transfer Rules

CLIENT WORKSTATION SOFTWARE FOR SL NEO MEDIA-SERVERS

Name	Description
Air Manager Client Software	Ingest/Playout Ch. Control, Graphics/Playlist Editors, MAM Client
News Cut Client Software	Networked fast NLE with Proxy Support
Multiscreen Client Software	Networked Client for Live I/O ch. Monitoring on Client PC
Routing Client Software	AV Router Multiuser Control Software from Client PC
Full Client Software Kit	All Clients Software Modules Included

Model Designation: SL NEO ABCD EF

A	Server or Processor Series 1...9
B	1,2 - SD only models, 3,5 - HD/SD models, 4,6 - UHD/HD/SD models
C	Number of Inputs (Live & Rec Channels)
D	Number of Outputs (Program/Playout Channels)
E	I/O Board Type/Brand Name or TS Interface Type: M Matrox DSX IO Boards D DekTec DTA IO Boards B BlackMagic DeckLink IO Boards S StreamLabs IO Boards P DataPath IO Boards E Ethernet, Onboard Ethernet Port
F	Internal Storage Capacity (Tb): 4 4 Tb, Hardware RAID-10, 4xHDD RE 2Tb 8 8 Tb, Hardware RAID-10, 8xHDD RE 2Tb 16 16 Tb, Hardware RAID-10, 8xHDD RE 4Tb or 16xHDD RE 2Tb

I/O Signals & Streams Designations:

CVBS	Composite Video	ASI
AA	Audio Analogue	IP
SDI	Digital Video SDI	SPTS
AE	Embedded Audio in SDI	
AES	AES I/O available in some models with Matrox DSX Boards	

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INSTANT REPLAY & SLOW-MOTION (LSM) SERVERS

7100 SD, 7300 HD/SD Models

What's included: fully configured and ready for work server platform with pre-installed video IO boards, pre-installed SL NEO Server and Client software bundle, software codecs, 1 client software license for an additional client workstation.

1-year standard warranty, 1-year telephone/e-mail technical support.

Multichannel HD/SD and SD-only configurations, instant replays, summary and highlights, playback of commercials and announces. Control from JOG/SHUTTLE/T-BAR remote (included in base server price).

Server outputs: PGM - main program output which can be used for LSM output, play-list based player for commercials or announces; PVW - preview output of the LSM system, Multiscreen which displays all input signals, LSM channels and play-list output.

HD/SD models with SDI I/O

Base Model	Inputs	Outputs	Video IO Platform	Signal Types
Matrox DSX LE3/LE4 based models				
SL NEO 7322 M8	2	1PGM+1PVW	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 7342 M8	4	1PGM+1PVW	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 7362 M8	6	1PGM+1PVW	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 7382 M8	8	1PGM+1PVW	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 73.12.2 M8	12	1PGM+1PVW	Matrox DSX LE3/4	HD/SD SDI+AE
BlackMagic Decklink based models				
SL NEO 7322 B8	2	1PGM+1PVW	Decklink QUAD	HD/SD SDI+AE
SL NEO 7342 B8	4	1PGM+1PVW	Decklink QUAD	HD/SD SDI+AE
SL NEO 7362 B8	6	1PGM+1PVW	Decklink QUAD	HD/SD SDI+AE
SL NEO 7382 B8	8	1PGM+1PVW	Decklink QUAD	HD/SD SDI+AE

HD-ready models with SDI I/O (HD hardware platform, SD software license)

Base Model	Inputs	Outputs	Video IO Platform	Signal types
Matrox DSX LE3/LE4 based models				
SL NEO 7122 M8 HR	2	1PGM+1PVW	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 7142 M8 HR	4	1PGM+1PVW	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 7162 M8 HR	6	1PGM+1PVW	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 7182 M8 HR	8	1PGM+1PVW	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 71.12.2 M8 HR	12	1PGM+1PVW	Matrox DSX LE3/4	HD/SD SDI+AE
BlackMagic Decklink based models				
SL NEO 7322 B8	2	1PGM+1PVW	Decklink QUAD	HD/SD SDI+AE
SL NEO 7342 B8	4	1PGM+1PVW	Decklink QUAD	HD/SD SDI+AE
SL NEO 7362 B8	6	1PGM+1PVW	Decklink QUAD	HD/SD SDI+AE
SL NEO 7382 B8	8	1PGM+1PVW	Decklink QUAD	HD/SD SDI+AE

SD-only models

Base Model	Inputs	Outputs	Video IO Platform	Signal Types
Matrox DSX LE3/LE4 based models				
SL NEO 7122 M8	2	1PGM+1PVW	Matrox DSX LE3/4	SD SDI+AE
SL NEO 7142 M8	4	1PGM+1PVW	Matrox DSX LE3/4	SD SDI+AE
SL NEO 7162 M8	6	1PGM+1PVW	Matrox DSX LE3/4	SD SDI+AE
SL NEO 7182 M8	8	1PGM+1PVW	Matrox DSX LE3/4	SD SDI+AE
SL NEO 71.12.2 M8	12	1PGM+1PVW	Matrox DSX LE3/4	SD SDI+AE
BlackMagic Decklink based models				
SL NEO 7122 B8	2	1PGM+1PVW	Decklink QUAD	SD SDI+AE
SL NEO 7142 B8	4	1PGM+1PVW	Decklink QUAD	SD SDI+AE
SL NEO 7162 B8	6	1PGM+1PVW	Decklink QUAD	SD SDI+AE
SL NEO 7182 B8	8	1PGM+1PVW	Decklink QUAD	SD SDI+AE

Name	Description
HP/Dell Chassis	HP/Dell Hardware Platform
AES IN/OUT	AES I/O Hardware Option
Additional MultiScreen (HD SDI/HDMI) outputs	
4 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
8 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
12 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
Internal RAID-array expansion	
Up to 8/12/16/24/36/48/60 TB Internal RAID Storage	
Device control, Device server	
GPI I/O Device Server	GPI Device Control (1...8 ports, ext. USB GPI module included)
External CP	External USB Control Panel (10...80 keys)
Automated file transfer, backup and redundancy for playout automation	
Media File Transfer Software	Automatic File/SL NEO Clips Transfer use Transfer Rules

CLIENT WORKSTATION SOFTWARE FOR SL NEO MEDIA-SERVERS

Name	Description
Air Manager Client Software	Ingest/Playout Ch. Control, Graphics/Playlist Editors, MAM Client
News Cut Client Software	Networked fast NLE with Proxy Support
Multiscreen Client Software	Networked Client for Live I/O ch. Monitoring on Client PC
Routing Client Software	AV Router Multiuser Control Software from Client PC
Full Client Software Kit	All Clients Software Modules Included

Model Designation: SL NEO ABCD EF

A	Server or Processor Series 1...9
B	1,2 - SD only models, 3,5 - HD/SD models, 4,6 - UHD/HD/SD models
C	Number of Inputs (Live & Rec Channels)
D	Number of Outputs (Program/Playout Channels)
E	I/O Board Type/Brand Name or TS Interface Type: <ul style="list-style-type: none"> M Matrox DSX IO Boards D DekTec DTA IO Boards B BlackMagic DeckLink IO Boards S StreamLabs IO Boards P DataPath IO Boards E Ethernet, Onboard Ethernet Port
F	Internal Storage Capacity (Tb): <ul style="list-style-type: none"> 4 4 Tb, Hardware RAID-10, 4xHDD RE 2Tb 8 8 Tb, Hardware RAID-10, 8xHDD RE 2Tb 16 16 Tb, Hardware RAID-10, 8xHDD RE 4Tb or 16xHDD RE 2Tb

I/O Signals & Streams Designations:

CVBS	Composite Video	ASI
AA	Audio Analogue	IP
SDI	Digital Video SDI	SPTS
AE	Embedded Audio in SDI	
AES	AES I/O available in some models with Matrox DSX Boards	

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MULTI-VIEWERS

8300 HD/SD Models

What's included: fully configured and ready for work server platform with pre-installed video IO boards, pre-installed SL NEO software bundle, web-based client.

1-year standard warranty, 1-year telephone/e-mail technical support.

HD/SD configurations. Multichannel capture from HD/SD SDI/UDP/RTP IP MPTS/SPTS sources. 1 pair outputs HD SDI/Audio Embedded+HDMI/Audio Embedded

Integral signal probing and on-screen alarms. Display of Metadata from SL NEO Playout Servers. Text labels (UMDs) can be displayed inside or outside windows. Easy layout preparation with web-based editor. Any of the video inputs can be displayed, any number of times, at different sizes up to full screen, on the multi-viewer outputs. Recording option for all sources and multi-screen composition. Encoding and IP UDP/RTP Streaming option for sources and multi-screen composition.

HD/SD models

Base Model	Inputs (Streams)	Outputs	Video IO Platform	Signal types
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SDI/IP UDP/RTP TS inputs

SL NEO 8381 SE	8	2	MH4LM, Ethernet	HD/SD SDI+AE, IP TS
SL NEO 83.12.1 SE	12	2	MH4LM, Ethernet	HD/SD SDI+AE, IP TS
SL NEO 83.16.1 SE	16	2	MH4LM, Ethernet	HD/SD SDI+AE, IP TS

IP UDP/RTP TS inputs

SL NEO 8381 E	8	2	Onboard Ethernet	IP SPTS/MPTS
SL NEO 83.12.1 E	12	2	Onboard Ethernet	IP SPTS/MPTS
SL NEO 83.16.1 E	16	2	Onboard Ethernet	IP SPTS/MPTS

SOFTWARE & HARDWARE OPTIONS FOR THE SL NEO 8000 SERIES

Name	Description
HP/Dell Chassis	HP/Dell Hardware Platform
AES IN	AES Inputs Hardware Option
DVB ASI IN	DVB ASI Inputs Hardware Option

Additional IP UDP/RTP TS outputs

IP HD SPTS Encoding OUT CH	1x Additional HD IP SPTS Encoding Ch. via Onboard Ethernet Port
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Additional Direct Show Virtual Device output

Direct Show Virtusl Device OUT CH	1x Additional Uncompressed Ch. via Direct Show Virtual Device
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GPI I/O Device Server	GPI Device Control (1...8 ports, ext. USB GPI module included)
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External CP	External USB Control Panel (10...80 keys)
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Recording

MS REC option	Recording of MS composition and/or sources
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CLIENT WORKSTATION SOFTWARE FOR SL NEO MEDIA-PROCESSORS

Name	Description
Multiscreen Client Software	Networked Client for Live I/O ch. Monitoring on Client PC

Model Designation: SL NEO ABCD EF

A	Server or Processor Series 1...9
B	1,2 - SD only models, 3,5 - HD/SD models, 4,6 - UHD/HD/SD models
C	Number of Inputs (Live & Rec Channels)
D	Number of Outputs (Program/Playout Channels)
E	I/O Board Type/Brand Name or TS Interface Type: <ul style="list-style-type: none"> M Matrox DSX Series D DekTec DTA Series B BlackMagic DeckLink Series P DataPath Boards E Ethernet, Onboard Ethernet Port
F	Internal Storage Capacity (Tb): <ul style="list-style-type: none"> 4 4 Tb, Hardware RAID-10, 4xHDD RE 2Tb 8 8 Tb, Hardware RAID-10, 8xHDD RE 2Tb 16 16 Tb, Hardware RAID-10, 8xHDD RE 4Tb or 16xHDD RE 2Tb

I/O Signals & Streams Designations:

CVBS Composite Video

ASI

AA Audio Analogue
SDI Digital Video SDI
AE Embedded Audio in SDI
AES AES I/O available in some models with Matrox DSX Boards

IP
SPTS

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DVB IP/ASI TS BROADCAST ENCODERS

9100 SD, 9300 HD/SD, 9400 UltraHD/HD Models

What's included: fully configured and ready for work server platform with pre-installed video IO boards, pre-installed SL NEO software bundle, web-based client.

1-year standard warranty, 1-year telephone/e-mail technical support.

SD/HD/UHD configurations. Multi-function DVB MPEG-2/H.264/HEVC Encoders. MPEG Transport Stream over DVB-ASI/IP, support ASI or IP (UDP/RTP/RTSP/RTMP) Transport Stream outputs, depending on the SL NEO processor's configuration.

The embedded Web-Based Interface provide access to the system administrative functions associated with configuring and customizing the system.

Processing power of modern computer systems together with high performance SL NEO Software allows to combine in one system up to 12x independent H.264 coders for SD video or up to 4x H.264 encoders for HD. In MPEG-2 mode the SL NEO 9000s support up to 16x independent SD channels or up to 8x HD channels. Using of a single unit for multi-channel encoding allows to substantially reduce cost per channel.

HD/UHD 4K models with SDI inputs

Base Model	Inputs	Outputs (IP Streams)	Video IO platform	Signal types
Matrox DSX LE4 based models				
SL NEO 9410 ME	1UHD or 4HD/SD	1 (1..4)	Matrox DSX LE4	4x3G SDI or 4x HD/SD SDI+AE
BlackMagic Decklink based models (no VBI/VANC support)				
SL NEO 9410 BE	1UHD or 1HD/SD	1 (1)	Decklink 4K Extreme	6/12G SDI or 1x HD/SD SDI+AE/HDMI

HD/SD models with SDI inputs

Base Model	Inputs	Outputs (IP Streams)	Video IO Platform	Signal types
MH4LM based models				
SL NEO 9311 SE	1	1 (1)	MH4LM	HD/SD SDI+AE
SL NEO 9321 SE	2	1 (2)	MH4LM	HD/SD SDI+AE
SL NEO 9341 SE	4	1 (4)	MH4LM	HD/SD SDI+AE
SL NEO 9361 SE	6	1 (6)	MH4LM	HD/SD SDI+AE
Matrox DSX LE3/LE4 based models				
SL NEO 9311 ME	1	1 (1)	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 9321 ME	2	1 (2)	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 9341 ME	4	1 (4)	Matrox DSX LE3/4	HD/SD SDI+AE
SL NEO 9361 ME	6	1 (6)	Matrox DSX LE3/4	HD/SD SDI+AE

SD-only models with SDI inputs

Base Model	Inputs	Outputs (IP Streams)	Video IO Platform	Signal types
SL NEO 9111 SE	1	1 (1)	MH4LM	HD/SD SDI+AE
SL NEO 9121 SE	2	1 (2)	MH4LM	HD/SD SDI+AE
SL NEO 9141 SE	4	1 (4)	MH4LM	HD/SD SDI+AE
SL NEO 9161 SE	6	1 (6)	MH4LM	HD/SD SDI+AE
SL NEO 9181 SE	8	1 (8)	MH4LM	HD/SD SDI+AE
SL NEO 91.12.1 SE	12	1 (12)	MH4LM	HD/SD SDI+AE
SL NEO 91.14.1 SE	14	1 (14)	MH4LM	HD/SD SDI+AE
SL NEO 91.16.1 SE	16	1 (16)	MH4LM	HD/SD SDI+AE

SOFTWARE & HARDWARE OPTIONS FOR THE SL NEO 9000 SERIES

Name	Description
HP/Dell Chassis	HP/Dell Hardware Platform
AES IN	AES Inputs Hardware Option
DVB ASI Output	DVB ASI Outputs Hardware Option
Additional MultiScreen (HD SDI/HDMI) outputs	
4 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
8 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
12 CH MultiScreen OUT	1x Additional HD SDI/HDMI Ch. Output
Additional Hardware Ethernet Ports	
HW Ethernet Port	Up to 8x Additional Ethernet Hardware Ports
Additional Direct Show Virtual Device output	
Direct Show Virtual Device OUT CH	1x Additional Uncompressed Ch. via Direct Show Virtual Device

CLIENT WORKSTATION SOFTWARE FOR SL NEO MEDIA-PROCESSORS

Name	Description
Multiscreen Client Software	Networked Client for Live I/O ch. Monitoring on Client PC

Model Designation: SL NEO ABCD EF

A	Server or Processor Series 1...9
B	1,2 - SD only models, 3,5 - HD/SD models, 4,6 - UHD/HD/SD models
C	Number of Inputs (Live & Rec Channels)
D	Number of Outputs (Program/Playout Channels)
E	I/O Board Type/Brand Name or TS Interface Type: <ul style="list-style-type: none"> M Matrox DSX IO Boards D DekTec DTA IO Boards B BlackMagic DeckLink IO Boards S StreamLabs IO Boards P DataPath IO Boards E Ethernet, Onboard Ethernet Port
F	Internal Storage Capacity (Tb): <ul style="list-style-type: none"> 4 4 Tb, Hardware RAID-10, 4xHDD RE 2Tb 8 8 Tb, Hardware RAID-10, 8xHDD RE 2Tb 16 16 Tb, Hardware RAID-10, 8xHDD RE 4Tb or 16xHDD RE 2Tb

I/O Signals & Streams Designations:

CVBS	Composite Video	ASI
AA	Audio Analogue	IP
SDI	Digital Video SDI	SPTS
AE	Embedded Audio in SDI	
AES	AES I/O available in some models with Matrox DSX Boards	

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