



# **Neuron NPG1600S Feature list**

**Version 2.8.24**

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NPG1600S

v = available today

16 paths	✓
16 Frame synchronizers	✓
16 De-embedders	✓
16 Embedders	✓
32 Video listeners	✓
16 normal Video talkers & 16 replicated (ST2022-7 compliant)	✓
32 audio listeners	✓
16 normal audio talkers & 16 replicated (ST2022-7 compliant)	✓
Back-up switch on Carrier detect	✓
Clean switch, make before break	✓
Fast switch	✓
512 channel audio matrix	✓
2Si to SQD conversion	✓
SQD to 2SI conversion	✓
Single-wire to four-wire conversion	✓
Four-wire to single wire conversion	✓
Audio delay (100 ms/stream)	✓
2160p50/59,94Hz single-wire 2Si (12G)	✓
2160p50/59,94Hz four-wire 2Si	✓
2160p50/59,94Hz four-wire SQD	✓
1080p50/59,94Hz	✓
1080i50/59,94Hz	✓
720p50/59,94Hz	✓
SD525	✓
SD625	✓
2160p50/59,94Hz four-wire 2Si	✓
2160p50/59,94Hz four-wire SQD	✓
1080p50/59,94Hz	✓
1080i50/59,94Hz	✓
720p50/59,94Hz	✓
4x SFP28 - 4x25G	✓
ST2110-20	✓
ST2110-30	✓
ST2022-6	✓
DNS	✓
IGMPV2	✓
IGMPV3	✓
LLDP	✓
DHCP	✓



NMOS IS-04	✓
NMOS IS-05	✓
SDP	✓
802.1as	✓
ST2059-2	✓
Reed Solomon/FireCode FEC	✓
ACPV2	✓
16 up/down/cross conversion (Opt_16UDC)	✓
SDI option board (Opt_SDI40)	✓
Audio gain, phase, delay and Mono shuffling (Opt_PR512)	✓
16 Color correctors/proc amp (Opt_16CC)	✓