



Neuron NPG1600Q Feature list

Version 2.8.22

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√ = 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	√
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	√
1x QSFP28 - 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)	✓