

Available					
v2.7.3	v2.7.3	v2.7.1	v2.7.2	v2.8.14	v2.8.14

√ = available today
 v = available in product at full release (done or in development)
 F = future

[NPG1600Q](#)
[NPG1600S](#)
[NPG3200Q](#)
[NPG3200S](#)
[NPB1616S](#)
[NPB1616Q](#)

Feature	v2.7.3	v2.7.3	v2.7.1	v2.7.2	v2.8.14	v2.8.14
32 paths			√	√	√	√
16 paths	√	√	√	√		
32 Frame synchronizers			√	√	√	√
16 Frame synchronizers	√	√	√	√		
16 De-embedders	√	√	√	√	√	√
16 Embedders	√	√	√	√	√	√
16 Video listeners			√	√		
32 video listeners	√	√			√	√
16 normal Video talkers & 16 replicated (ST2022-7 compliant)	√	√	√	√	√	√
16 audio listeners			√	√		
32 audio listeners	√	√			√	√
64 audio listeners						
128 audio listeners						
256 audio listeners						
16 normal audio talkers & 16 replicated (ST2022-7 compliant)	√	√	√	√	√	√
64 audio talkers						
128 audio talkers						
256 audio talkers						
HDR (dynamic) 16 channels						
HDR (dynamic) 4 channels						
SDR 2 HDR						
HDR 2 SDR						
HDR 2 HDR						
BT2100 2 REC709						
REC709 2 BT2100						
HDR Slog3						
HDR HLG						
HDR PQ						
JPEG-Xs single UHD encoder (max. 4)						
JPEG-Xs single UHD Decoder (max. 4)						
JPEG-Xs single UHD encoder and decoder (max. 2 enc. and 2 dec.)						
JPEG-Xs single HD encoder (max. 8)						
JPEG-Xs single HD Decoder (max. 8)						
JPEG-vs single HD encoder and decoder (max. 4 enc. and 4 dec.X)						
Back-up switch on Carrier detect	√	√	√	√	√	√
Clean switch, make before break	√	√	√	√	√	√

Fast switch	✓	✓	✓	✓	✓	✓
512 channel audio matrix	✓	✓	✓	✓	✓	✓
1024 channel audio matrix						
4096 channel audio matrix						
8192 channel audio matrix						
16384 channel audio matrix						
2Si to SQD conversion	✓	✓	F	F		
SQD to 2Si conversion	✓	✓	F	F		
Single-wire to four-wire conversion	✓	✓	F	F		
Four-wire to single wire conversion	✓	✓	F	F		
External 16 channel bus back-up						
Audio delay (100 ms/stream)	✓	✓	✓	✓	✓	✓
Audio delay (1300 ms/stream)						
Firewall functionality	✓	✓	✓	✓	✓	✓
Audio v-fade switching						
MADI IO on SFP28						
Supported video Formats in SDI						
2160p50/59,94Hz single-wire 2Si (12G)	✓	✓			F	F
2160p50/59,94Hz four-wire 2Si	✓	✓			F	F
2160p50/59,94Hz four-wire SQD	✓	✓	✓	✓	✓	✓
1080p50/59,94Hz	✓	✓	✓	✓	✓	✓
1080i50/59,94Hz	✓	✓	✓	✓	✓	✓
720p50/59,94Hz	✓	✓	✓	✓	✓	✓
SD525	✓	✓	✓	✓	✓	✓
SD625	✓	✓	✓	✓	✓	✓
Supported video Formats in IP						
2160p50/59,94Hz single-raster 2Si (ST2110-20)	F	F	F	F	F	F
2160p50/59,94Hz four-wire 2Si	✓	✓	F	F	F	F
2160p50/59,94Hz four-wire SQD	✓	✓	✓	✓	✓	✓
1080p50/59,94Hz	✓	✓	✓	✓	✓	✓
1080i50/59,94Hz	✓	✓	✓	✓	✓	✓
720p50/59,94Hz	✓	✓	✓	✓	✓	✓
SD525	F	F	F	F	F	F
SD625	F	F	F	F	F	F
IP interface						
4x SFP28 - 4x10G						
4x SFP28 - 4x25G		✓		✓	✓	
1x QSFP28 - 4x10G						
1x QSFP28 - 4x25G	✓		✓			✓
2x QSFP28 - 2x100G	F		F		F	F
Supported IP Standards						
ST2110-20	✓	✓	✓	✓	✓	✓
ST2110-21	F	F	F	F	F	F
ST2110-22						
ST2110-30	✓	✓	✓	✓	✓	✓
ST2110-31	F	F	F	F	F	F
ST2110-40	F	F	F	F	F	F
ST2022-6	✓	✓	✓	✓	✓	✓
ST2022-7	F	F	F	F	F	F
AES67 (48kHz only)						

DNS	√	√	√	√	√	√
IGMPv2	√	√	√	√	√	√
IGMPv3	√	√	√	√	√	√
LLDP	√	√	√	√	√	√
DHCP	√	√	√	√	√	√
NMOS IS-04	√	√	√	√	√	√
NMOS IS-05	√	√	√	√	√	√
802.1as	√	√	√	√	√	√
ST2059-2	√	√	√	√	√	√
Reed Solomon/FireCode FEC	√	√	√	√	√	√
Supported Control Protocols						
SWP08						
ACPV2	√	√	√	√	√	√
Optional						
16 extra lite channels (Opt_16Ch), FS, CC Only			√	√		
16 up/down/cross conversion (Opt_16UDC)	√	√	√	√		
SDI option board (Opt_SDI40)	√	√	√	√	√	√
Audio gain, phase, delay and Mono shuffling (Opt_PR512)	√	√	√	√	√	√
Dolby E aligner, 128 pairs SDI/ST2022-6 inputs (Opt_DEA)	F	F	F	F	F	F
16 Color correctors/proc amp (Opt_16CC)	√	√	2x	2x	2x	2x
Stat-mux offset delay 12 Frames channel, SDI/ST2022-6 (Opt_SMD)						
single UHD JPEG-Xs encoder (Opt_1UE)						
single UHD JPEG-Xs decoder (Opt_1UD)						
single HD JPEG-Xs encoder (Opt_1HE)						
single HD JPEG-Xs decoder (Opt_1HD)						
DANTE	F	F	F	F	F	F
MADI IO on SFP28	F		F			F