



# Qx Model Comparison



Formats supported (Generation, Analysis & Monitoring)			
ST 2110-20/-30/-31/-40 / 2022-7 / 2022-6 Analysis over 10G Ethernet	○	●	●
ST 2110-20/-30/-31/-40 / 2022-7 / 2022-6 Analysis over 25G Ethernet	-	○	○
ST 2110-20/-30/-31/-40 / 2022-7 Generation	-	○	○
ST 2022-6 Generation	○	○	○
SDI IO	●	Factory Option	Factory Option
3G / 1.5G / 270M*-SDI HD / SD* Analysis	●	Factory Option	Factory Option
3G / 1.5G / 270M*-SDI HD Generation	○	○ <sup>†</sup>	○ <sup>†</sup>
12G / 6G / 3G / 1.5G-SDI UHD Over SDI	○	○ <sup>†</sup>	○ <sup>†</sup>
25G IP Link Rates Over SFP28	-	○	○
Hardware and Software Options Supported			
Audio / Video Generator (SDI, ST 2022-6, ST 2110)	○ (SDI, 2022-6)	○ (SDI, 2022-6, 2110)	○ (SDI, 2022-6, 2110)
RTE™ Real-Time Eye input (12G/6G/3G/HD/SD*-SDI) x 1 (SDI input A) BNC	Factory Option	Factory Option	Factory Option
UHD / 4K Upgrade	○ (SDI)	○ (SDI, 2110)	○ (SDI, 2110)
SDI-STRESS Testing Toolset (Requires SDI Eye and Jitter Toolset)	○	○	○
Data View Analyzer with ANC Inspector	●	●	●
HDR/WCG Support	○	○	○
Dolby E Analysis	○	○	○
ST 2022-6, ST 2110-20/30/31/40 Decap with ST 2022-7 and Dual PTP	○	●	●
ST 2110 Network Traffic Measurement Toolset	○	○	○
ST 2022-6 Network Traffic Generator Toolset	○	○	○
ST 2110 Generator Toolset	-	○	○
PCAP	○	○	○
EUHD Formats over 25G 2110-20	-	○	○
SDI inputs / outputs			
4 x SDI inputs, SD* / HD / 3G, 75 ohm terminated BNC	●	Factory Option	Factory Option
2 x SFP+ MSA / Non-MSA cages (12 Gbps copper or fiber SDI interfaces)	●	Factory Option	Factory Option
4 x SDI outputs, SD* / HD / 3G, 75 ohm BNC	●	Factory Option	Factory Option
Ethernet inputs / outputs (accepts generic SFPs)			
2 x SFP+ 10G Cages (also MSA / Non-MSA 12Gbps copper or fiber SDI SFPs)	●	-	-
2 x SFP28 10 / 25G cages	-	●	●
2 x QSFP28 10 / 25 / 40 / 50 / 100G cages (For Future Functionality)	-	○	○
Audio inputs / outputs			
4 x 75 ohm AES selectable I/O (26 pin high-density D-Type socket)	●	●	●
1 x Stereo analog audio output (26 pin high-density D-Type socket)	●	●	●
8 channel 48 kHz PCM audio on HDMI and SDI Instrument output	●	●	●
User interface			
Integrated 1920 x 1200 7 inch LCD multitouch touchscreen	-	-	●
HDMI instrument output, 1920 x 1080, 4:4:4 RGB, Type A	HDMI 1.4	HDMI 2.0b	HDMI 2.0b
SDI 3Gbit instrument out, 1920 x 1080, 4:2:2 YCbCr	BNC	Micro BNC	Micro BNC
ST 2110-20, ST 2110-30 instrument out, 1920 x 1080, 4:2:2 YCbCr	-	●	●
Remote Browser GUI access (noVNC)	●	●	●
Reference			
2 x 75 ohm BNC looping reference input, tri-level or B&B with cross lock	●	-	-
1 x 75 ohm Micro-BNC reference input, Tri/B&B with cross lock	-	●	●
Networking & control			
10/100/1000 BASE-T	●	●	●
8 x bi-directional GPI (26 pin high-density D-Type socket)	●	●	●
Monitoring			
Internal Beeper	●	●	-
Integral Speaker / Headphone Socket	-	-	●
Form factor			
Size (Width x Height x Depth - excluding projections)	211 x 44 x 253 mm	211 x 44 x 253 mm	211 x 132 x 305 mm
Weight	1.9 kg	1.9 kg	4.1 kg <sup>†</sup>
Electrical			
Power consumption	50 W typical, 70 W max	100 W typical, 120 W max	110 W typical, 160 W max
4 Pin XLR power connector	12V nominal (10-18 V)	12 V nominal (10-18 V)	12 V nominal (11-18 V)
AC power adapter	90-264 VAC, 120 W	90-264 VAC, 120 W	90-264 VAC, 160 W
Integral PSU with IEC connector	-	-	●
Battery V-Plate (for external battery)	-	-	○
Warranty			
Warranty (1 year)	●	●	●
Extended Warranty Package (3 - 5 years)	○	○	○