

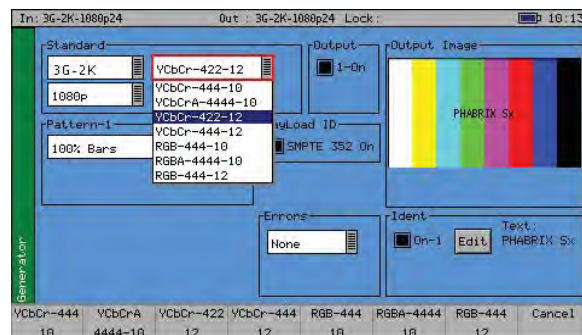
SDI 2K FORMATS

The SDI 2K formats option supports the new SDI practice for HD and 3G Level A and Level B signal transfer of 2K advanced formats including 4:2:2 Y'C'B'C'R, 4:4:4 R'G'B' and 4:4:4 Y'C'B'C'R at 10/12 bit as well as 4:4:4 X'Y'Z' at 12-bit. For broadcast manufacturers this option allows rigorous testing of many more formats beyond the standard signals used in traditional broadcasting. Includes the Advanced Formats option (PHSXO-F).

This provides analysis of, and test pattern generation for, 2K digital cinema as defined in the SMPTE ST 2048-2:2011 standard ("2048 x 1080 Digital Cinematography Production Image FS/709 Formatting for Serial Digital Interface") and SMPTE 428-9 (D-Cinema Distribution Master - Image Pixel Structure Level 3 - Serial Digital Interface Signal Formatting).

This option allows the Sx hand held instruments to support the following 2K formats:

Standard	Resolution	Color Space	Rate
SMPTE ST 2048-2	2048 x 1080	4:2:2 (Y'C'B'C'R) 10 bit	60.00, 60/1.001, 50, 48 and 48/1.001 Progressive
SMPTE ST 2048-2	2048 x 1080	4:4:4 (Y'C'B'C'R) 10 bit	30, 30/1.001, 25, 24 and 24/1.001 PsF
SMPTE ST 2048-2	2048 x 1080	4:4:4 (Y'C'B'C'R + A) 10 bit	30, 30/1.001, 25, 24 and 24/1.001 PsF
SMPTE ST 2048-2	2048 x 1080	4:4:4 (R'G'B') 12-bit	30, 30/1.001, 25, 24 and 24/1.001 Progressive
SMPTE ST 2048-2	2048 x 1080	4:4:4 (Y'C'B'C'R + A) 12 bit	30, 30/1.001, 25, 24 and 24/1.001 Progressive
SMPTE ST 2048-2	2048 x 1080	4:4:4 (R'G'B') 12-bit	30, 30/1.001, 25, 24 and 24/1.001 PsF
SMPTE ST 2048-2	2048 x 1080	4:4:4 (Y'C'B'C'R + A) 12 bit	30, 30/1.001, 25, 24 and 24/1.001 PsF
SMPTE ST 2048-2	2048 x 1080	4:2:2 (Y'C'B'C'R) 12 bit	30, 30/1.001, 25, 24 and 24/1.001 Progressive
SMPTE ST 2048-2	2048 x 1080	4:2:2 (Y'C'B'C'R + A) 12 bit	30, 30/1.001, 25, 24 and 24/1.001 Progressive
SMPTE ST 2048-2	2048 x 1080	4:2:2 (Y'C'B'C'R) 12 bit	30, 30/1.001, 25, 24 and 24/1.001 PsF
SMPTE ST 2048-2	2048 x 1080	4:2:2 (Y'C'B'C'R + A) 12 bit	30, 30/1.001, 25, 24 and 24/1.001 PsF
SMPTE ST 428-9	2048 x 1080	4:4:4 (X'Y'Z') 12-bit	24 and 24/1.001 Progressive
SMPTE ST 428-9	2048 x 1080	4:4:4 (X'Y'Z') 12-bit	24 and 24/1.001 Psf
SMPTE ST 428-19	2048 x 1080	4:4:4 (X'Y'Z') 12-bit	25, 30 and 30/1.001 Progressive
SMPTE ST 428-19	2048 x 1080	4:4:4 (X'Y'Z') 12-bit	25, 30 and 30/1.001 Psf



3G-SDI 2K generator formats

FEATURE HIGHLIGHTS

- 3G-SDI 2048 X 1080 ANALYSIS TOOLS
- 3G-SDI 2048 X 1080 TEST PATTERNS
- YCRCB, RGB, RGBA AND XYZ SUPPORT
- 10-BIT AND 12-BIT SUPPORT
- PROGRESSIVE AND PSF SUPPORT
- DUAL LINK ON SxD

AVAILABLE FOR

- PHABRIX® TAG (Requires PHSXT-GEN)
- PHABRIX® SxA
- PHABRIX® SxD
- PHABRIX® SxE

PHABRIX is a registered trademark.

Specifications and features described herein are subject to change without prior notice. Please consult our website www.phabrix.com for the latest data.

ORDERING INFORMATION

Option Code

PHSXO-2K

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