



SYNAPSE
CONVERTER

SDI 110
SDI ⇒ HDMI



SDI140 FRONT



SDI140 BACK

	A/V INPUTS	CONVERSIONS	A/V OUTPUTS	FEATURES
Video I/O	2 x HD/SD-SDI 3Gb/s	1 x HD/SD-SDI 3Gb/s ⇒ 1 x HDMI 1.3	1 x HDMI 1.3 1 x HD-SDI (3Gb/s)	HD SDI Downconversion PsF Modes Redundancy Channel HD/SD-SDI Loop
Audio I/O	8 Channels of Embedded Audio	Embedded Audio ⇒ Stereo Analogue/Digital Audio	1 x Stereo Unblanced Audio 1 x digital AES/EBU Pair	

BLUEFISH444 HD/SD-SDI TO HDMI CONVERTER



SPECIFICATIONS		SYNAPSE SDI110
Width		101MM
Length		116MM
Height		28MM
Weight		420G
VIDEO INPUT		
SD-SDI SMPTE 295M		YES
1.5G HD-SDI SMPTE 292M		YES
3G-SDI (Level A) SMPTE 424M		YES
VIDEO OUTPUT		
SDI Loop Out		YES
HDMI 1.3		YES
AUDIO INPUT		
SD-SDI SMPTE 295M Embedded Audio		YES
1.5G HD-SDI SMPTE 292M Embedded Audio		YES
3G-SDI (Level A) SMPTE 424M Embedded Audio		YES
AUDIO OUTPUT		
HDMI 1.3 8 Channels		YES
Stereo 2 Channels AES/EBU Audio		YES
Stereo 2 Channels Unbalanced Analogue Audio		YES
MAJOR HARDWARE FEATURES		
Downscaling		YES
Progressive to PsF		YES
De-Interlacing		YES
Lockable Power Supply		YES
Auto adaption 3G/HD/SD		YES
Test Pattern Generator		YES
Status LED's		YES
On-screen Display		YES
Firmware Upgrade through USB		Yes

SUPPORTED YUV SDI VIDEO MODES	
(HD) 1920 x 1080p/PsF @ 50, 59.94, 60FPS	YES
(HD) 1920 x 1080p/PsF @ 23.976, 24, 25, 29.97, 30FPS	YES
(HD) 1920 x 1080i @ 25, 29.97, 30FPS	YES
(HD) 1280 x 720p @ 50, 59.94, 60FPS	YES
(SD) 720 x 576i @ 25FPS PAL	YES
(SD) 720 x 486i @ 29.97FPS NTSC	YES

SUPPORTED ANALOGUE VIDEO MODES	
(HD) 1920 x 1080p/PsF @ 50, 59.94, 60FPS	YES
(HD) 1920 x 1080p/PsF @ 23.976, 24, 25, 29.97, 30FPS	YES
(HD) 1920 x 1080i @ 25, 29.97, 30FPS	YES
(HD) 1280 x 720p @ 50, 59.94, 60FPS	YES
(SD) 720 x 576i/p @ 25FPS PAL	YES
(SD) 720 x 486i/p @ 29.97FPSNTSC	YES

PROGRESSIVE TO PSF	
1080p50/60 to 1080PsF50/60	YES
1080p24 to 1080PsF24	YES

DE-INTERLACE	
1080i25/30 to 1080p50/60	YES
1080i24 to 1080p24	YES

DOWNCONVERSION	
1080p50/60 to 720p50/60	YES
1080i29/30 to 486i29/30	YES
1080i25 to 576i25	YES
720p59/60 to 486i29.30	YES
720p50 to 576i25	YES

CROSS PLATFORM SUPPORT WITH INDUSTRY LEADING 3RD PARTY SOFTWARE



For a comprehensive and up-to-date list of supported software, visit bluefish444.com/software

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