90-3283 LYNX GREENMACHINE APP - VIDEO SCALER / UDX CONVERTER For 1x processing channel

VIDEO SCALER/UDX CONVERTER APP

The Scaler APP is a high quality broadcast video up/down/cross converter, which allows a broad range of conversion and scaling possibilities. It is available per processing channel.

The APP has a powerful Region of Interest (ROI) functionality that allows the user to extract a specific region of the incoming video and to be displayed as a full format SDI output. The size of the output video can also be configured.

In addition to the ROI feature, the Scaler APP can convert from any supported input format to any supported output format. In combination with the high quality DeInterlace APP Extension, the converter offers pristine conversion quality for interlaced input signals.

If the input frame rate does not match the frame rate of the reference signal (which determines the output frame rate), the input signal will be automatically frame rate converted through a simple drop & repeat mechanism.

Settings & Features:

Control Mode:	The converter can be configured manually or automatically by the incoming format description of the SDI:
	AFD (Active Format Description)
	WSS (Wide Screen Signaling)
	VI (Video Index)
Aspect Ratio:	The aspect ratio can be selected as 4:3 or 16:9
Cropping:	The area of the input signal, which should be shown on the output (Region Of Interest, ROI), can be defined in steps of 1 line respectively 1 pixel.
Output Format:	The output format can be selected which allows the converter to automatically convert to this format independently from the input signal format. This also includes conversions from progressive to interlaced formats and to and from formats with segmented frames (psF). For conversions from interlaced to progressive format, the APP-Extension DeInterlace is available.
Simple FRC:	In the case the input frame rate does not match the frame rate of the reference signal, the virtual LED shows that the scaler is working in "Simple Frame Rate Conversion" Mode.
Conversion Mode:	There are predefined conversion modes available:
	pillar box/letter box - fits the aspect ratio of the input signal horizontally or vertically into the output image area with black bars at the top and bottom or left and right of the image.
	centre cut - cuts the center portion of the input signal and fills the output image area.
	14:9 conversion - distorts (stretches) the input image to fit the available 14:9 HD/ 3GBit/s image area.
	stretch to fill - distorts (stretches) the image to fit the available output image area.
Output Sizing:	The output image can be resized horizontally and vertically.
Format Description:	The converter can insert the format description information corresponding to the conversion mode as AFD, WSS and/or VI.

Available APP-Extension:

90-3284 LYNX GREENMACHINE APP - VIDEO DEINTERLACER For 1x processing channel, extension to APP-Video Scaler

This 'APP' is already installed in the greenMachine hardware unit and can be trialled on a test basis to check performance and system compatibility. An APP purchase provides an unlock code which is emailed to you by Canford's Customer Services team after purchase and verification of the serial number of the greenMachine on which it will be installed. The verification process takes place during normal business hours; overnight and weekend purchases will be processed the next working day. For very urgent requirements or out of working hours, APP licences can be purchased directly from the greenStore by logging in from greenGUI and making payment using a credit card or PayPal.

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