DATASHEET PIXLCONVERTER (INTERNAL)

PixlConverter is the interface between Lucenti PixlBus controllers and Pixl products, translating PixlBus data and power into a pixel-controlled output. It enables flexible system scaling, automatic pixel detection, and protected power delivery within the Lucenti Pixl ecosystem.



SKU	
LU-PC	Lucenti PixlConverter

GENERAL	
Product name	Lucenti PixlConverter
Description	Converter to control Lucenti “Pixl” products with the Lucenti “Pixlbus”

ELECTRICAL	
Voltage	24V (Powered through Pixlbus by controller PixlDrive 1 or 8 Pro)
Max power throughput	200 W (= max power from PixlDrive 1 or 8 Pro controllers)
Working temperature	Ta max: 45˚C
Ports	Pixlbus in, Pixlbus out: connect in chain with other PixlBus products controlled by a PixlBus controller. Pixl out: to connect to a compatible “Lucenti Pixl” product. Eg PixlStrip One

FEATURES	
	Auto setup: detection of number of connected pixels
	Output current measurement
	Output current protection
	Lucenti Pixlbus compatible – control with Lucenti PixlDrive controllers

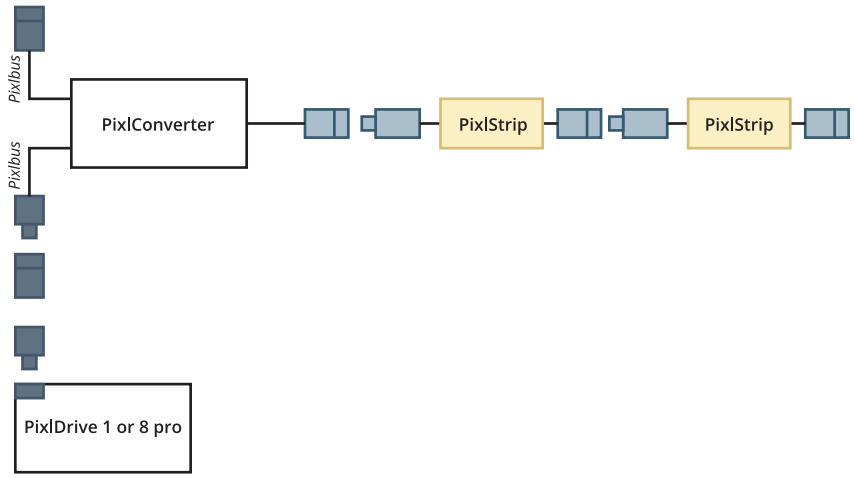
LIMITS

Pixel count limit	Max 160 RGBW pixels on the “Pixl out” port A Pixlbus port on PixlDrive 1 or 8 Pro supports 400 RGBW pixels. Multiple PixlConverters can be daisy chained to effectively use these 400 pixels.
Power limit	The total connected power of Pixl products on the “Pixl out” port should not exceed 200W
Daisy chaining	Max 16 PixlConverters or other nodes (=Pixlbus devices such as BW100) can be daisy chained on the Pixlbus ports
Extension cable	Max 5m in between 2 “Pixl” products or in between PixlConverter and “Pixl” product. Use max 30m of “Lucenti Pixl” extension cable in total

MECHANICAL

IP Rating	Metal housing, IP65 Flange with holes for mounting
Dimension	± 130x75x40 mm
Weight	460 g

CONNECTION DIAGRAM



Certification	CE
Weight	
Packaging	Packaging: cardboard box: 200x 125x55mm