SCHNICK
SCHNACK
SYSTEMS

DPB Pixel-Router MK2

Product Sheet

GENERATION 3

Overview

FEATURES

- Generation 3 compatible
- Completely controllable via HTML 5.0 web server
- Different status lights for quick overview
- Updateable firmware via Network-Tool
- Four combined power/data outputs
- Outputs can be switched off
- Ethernet pass-thru connectivity
- POE option for remote monitoring of voltage source
- Compatible with sACN, Art-Net™ and Schnicknet
- Controls all Generation 3 capable Schnick-Schnack-Systems products

The DPB Pixel-Router is a high-performance Ethernet-DPB-converter that is the ideal solution for supplying permanent installations with power and control data.

The DPB Pixel-Router incorporates everything that is essential for an optimal permanent installation without being weighted down with redundancies; for example, it functions without DMX inputs, buttons and displays.

More than 11 years of experience in the field of "Video to LED Ethernet" has gone into the current technology-based design. The DPB Pixel-Router is therefore equipped with an optimized Video to LED circuitry that can process handle large quantities of data extremely quickly. It is one of the few devices on the market that can handle Ethernet bursts with more than 250 universes. What's more, it has an optimized multi-tasking, real-time operating system that processes and transmits video data synchronously and latency free. Its Ethernet hardware can accept large volumes of data and redirect to the processor without any delays. In this way, loss of data packages is prevented or data is not stored too long unnecessarily. Furthermore, the DPB interfaces are also synchronized. This therefore effectively prevents time lags that are especially noticeable and annoying in LED installations.

The DPB Pixel-Router is compatible with the protocols sACN, Art-Net™ and Schnicknet.

Thanks to an integrated HTML 5.0 webserver, the router can be completely configured remotely. The use of any specific software is not necessary, which is particularly important for long-standing, permanent installations.

The very small, compact device can find a place in any application. The cabling effort is minimal. Outside of a 320-Watt power supply and an Ethernet cable, no other cabling is needed. XLR cables, XLR adapter boxes and return lines are omitted.

Mechanical Data

Features	
Dimensions	160 × 24 × 80 mm (W × H × D)
Weight	0,30kg

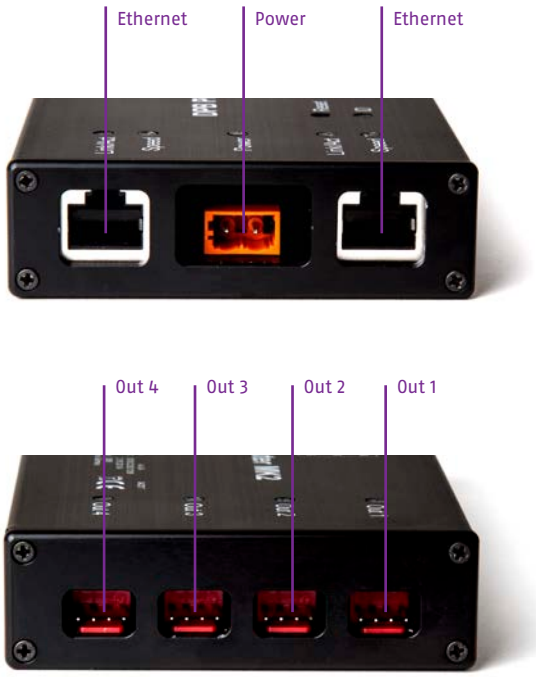
Electrical Data

Features	
Operating voltage	DC voltage 24 V
Power consumption	3.2W own usage
Acceptable ambient temperature	0–40°C

Connections

Features	
LED Out	System connector red
Link/Act	RJ45 socket with integrated transformer
Power	Wago connector with lock

The following connectors are located on the unit:



Out 1–4	DPB out (4 × 3A, 24V)
Link/Act	Ethernet input
Power	24V connection

Order numbers

	Operating voltage	Power (I_{max})	Channels	Input	Output	Item number
DPB Pixel-Router MK2	24V DC	4 × 3A	4 × 3072 channels	RJ 45	4 × System connector red	203.0021
DPB Pixel-Router POE MK2	24V DC	4 × 5A	4 × 3072 channels	RJ 45	4 × System connector red	203.0022

ESD warning

Please be aware that electrostatic discharges can destroy LED boards, and our experience shows that this does happen. During assembly, we recommend wearing at least one antistatic wrist strap and avoiding static discharges – such as those that arise when removing protective film or dry cleaning acrylic glass, for example– near LEDs! Antistatic materials should be used when packaging the LED boards. Normal bubble wrap or other plastic bags are not suitable.

For reasons of safety and radio shielding, please only use systems we have approved to provide a power supply for our LED components. All technical information is based on the version at the time of printing.

We reserve the right to make technical specifications in terms of a product improvement without prior notice. Printing – even excerpts – requires the written consent of Schnick-Schnack-Systems GmbH.

Product Sheet Release Notes

Why Schnick Schnack Systems?

As installation times become increasingly shorter the complexity of systems simultaneously increases as do the requirements of customers.

We are a supplier who delivers high-quality reliable systems – under tight deadline constraints that are not only quick to install but also simple to operate and service.

Schnick-Schnack-Systems GmbH

Mathias-Brüggen-Straße 79
50829 Cologne (Germany)

Phone +49 (0) 221/99 20 19-0
Fax +49 (0) 221/16 85 09-73

info@schnickschnacksystems.com
www.schnickschnacksystems.com

Version April 2017: All technical data and the weight and dimension information were carefully created – errors reserved. Any colour deviations are printing-related.

We reserve the right to make changes that serve further improvement.