



State-of-the-art image processing and display

The netPIX-SDC is a high-performance controller especially designed for the display and playout of network-based sources and direct contents on video walls and high-resolution displays.

Excellent 3D acceleration, framelock capability and clustering capability, make the netPIX-SDC a first choice for applications in control rooms and broadcast where high performance is required.

The netPIX-SDC controller allows their users to control medium to large video walls in addition to individual displays. Thanks to its high performance, any content can be played out smoothly and loss-less on the connected displays and stretched desktops.

Contents may include IP streams, desktop captures, simple documents, image files, 4K video files, and multimedia presentation software. For a comprehensive administration of the system, we recommend Leyards enterprise wall management software eyeUNIFY-2.

This makes the netPIX-SDC an uncompromising power package for all customers who want to present their content in the best quality even in demanding 24/7 operation.

Application areas

- Computing intensive 3D applications
- Best performance for video-/graphics applications
- Control of video walls in control rooms and presentation areas
- NDI Streaming

The advantages of the netPIX-SDC controller at a glance

- High-end video wall controller for the operation of video walls in control rooms and presentation areas
- Free scaling and positioning of the image signals on the connected displays and video walls
- Latest, future-proof IT hardware for multi-display applications
- Hardware platform for video management software, e.g. eyeUNIFY-2 from Leyard
- Operational safety using industrial components and redundant power supplies

LEYARD NETPIX SDC CONTROLLER SPECIFICATIONS	
Model	netPIX-SDC-Controller-Unit-v1
CPU	16 Cores, 3.0GHz, 128MB L3-Cache
Memory	64GB ECC DDR4 RDIMM 3200MHz
BUS System	4x PCIe 4.0 x16, 2x PCIe 4.0 x8
Storage	240GB RAID1 with Global Hot Spare or 480GB RAID1 with GHP
Network	2x 10GBase-T RJ45
Management	1x 1000Mbps RJ45 Integrated BMC with IPMI
Power Supply	100-240 V, 50-60Hz, redundant, HotSwap 860 Watt
Operating System	Windows 10 Enterprise LTSC 2019
Rack Space	5U
Dimensions (WxHxD)	431 × 177 × 568 mm / 16.9 × 6.9 × 22.4 inch
Weight	24.0 kg / 52.9 lbs
Operating Conditions	Temperature: 0°C - 40°C (32°F - 104°F) / Humidity: 10 - 90% not condensing / Altitude: up to 3,048 m (10,000 ft)

netPIX-SDC Output cards

7000:1

	netPIX-OUT-4-HDMI-D1450	netPIX-OUT-4-DP-D1480
Graphics Memory	4GB GDDR5	
Outputs	4× HDMI 2.0	4× DisplayPort 1.4
Resolution	4× 4096x2160@60Hz	4× 5120x3200@60Hz
Supported Graphics Standards	DirectX® 12.0 OpenGL®	
Decoding Capacity	20 - 40 FHD Streams @30fps H.264/H.265	
Card Slots	Max. 4 output cards per system	
HDCP Support	Yes	
Audio Support	Yes	
Accessory	HDMI Retention Bracket	

Visit www.leyardeurope.eu for full list of product specifications.