

PROJECT	FIRM	ORDER #	TYPE	QTY
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PL-NEO X / NEO PRO X is designed for demanding projects requiring a large number of DMX, Art-Net and sACN channels. The server offers licence options ranging from **16 to 512 universes** — scalable without hardware changes.

Features include 24-hour Audio and Video Timeline synchronisation, MIDI Time Code, PC Clock triggers, and Live Timeline Record with pixel mapping for LED matrices and video screens.

Ships as a high-performance server with pre-installed software. Shows and light scenes can be controlled via the internal Live Page or from mobile devices (Android / iOS).

Features

- Scalable universe licensing — 16 to 512 universes; upgrade the licence at any time without hardware changes.
- 24-hour Audio and Video timeline synchronisation; lock the timeline to incoming MIDI Time Code.
- Live Timeline Record — capture live DMX / Art-Net / sACN output in real time and save it as a timeline show.
- Integrated pixel mapping for LED matrices, video screens and architectural surfaces.
- Multi-protocol: outputs DMX-512, Art-Net and sACN simultaneously; accepts Art-Net and sACN as input.
- Open UDP / Ethernet SDK for BMS, AMX, Crestron and third-party integration; Android / iOS mobile control.

At a glance

<p>⚡ Power 100-240 V AC 50/60 Hz</p>	<p>◆ Protection IP20</p>	<p>≡ Capacity 16-512 universes licence-based</p>	<p>🌡 Temperature -40 °C to +85 °C</p>	<p>◆ Certification CE · RoHS</p>	<p>★ Warranty 5 years, international</p>
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Model comparison

PL-NEO X and PL-NEO PRO X share identical hardware. The difference lies in the software and the available universe licence tiers.

Model	Licence tiers	Software	DVI resolution	Timeline	Pixel mapping	Mobile app
PL-NEO X	16 · 32 · 64 U	Pixelerr	1024 × 768	24 h sync + Live record	Yes	Android / iOS
PL-NEO PRO X	128 · 255 · 512 U	Pixelerr PRO	1280 × 720 · 1280 × 1024	24 h sync + Live record	Yes	Android / iOS

Specifications

Series	DMX / Art-Net Control Server
Models	PL-NEO X · PL-NEO PRO X
Licence options	NEO X: 16, 32, 64 universes · NEO PRO X: 128, 255, 512 universes
Protocols	DMX-512 · Art-Net · sACN (E1.31)
Ethernet	Yes — Art-Net & sACN input / output
Software (pre-installed)	Pixelerr (NEO X) · Pixelerr PRO (NEO PRO X)
Audio & video timeline	Yes — 24-hour synchronisation
Live Timeline Record	Yes — real-time recording of DMX / Art-Net output
Pixel mapping	Yes — LED matrices and video screens
PC Clock & Calendar DMX modes	Yes — year, month, day, time as DMX triggers
MIDI Time Code	Yes
MIDI / RS-232 / DMX IN	Yes — keyboard and hyperlink control
Art-Net / sACN / DMX input	Yes — control and record
UDP / Ethernet triggers	Yes — SDK available
Mobile application	Android · iOS
DVI resolution	1024 × 768 (NEO X) · 1280 × 720 / 1280 × 1024 (NEO PRO X)
Live Page control	Yes — internal touchscreen-style show control
Power	100 - 240 V AC, 50/60 Hz
Dimensions	W 430 mm × H 177 mm × D 330 mm
Weight / housing	9 kg · diecast / extruded aluminium with brushed anodised finish
Environment	-40 °C to +85 °C · 0-80 % RH, non-condensing · IP20
Compliance / warranty	CE, RoHS · 5 years international warranty

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Dimensions

Server unit



Enclosure

W 430 mm × H 177 mm × D 330 mm;
weight 9 kg (19.8 lb).

Diecast / extruded aluminium with
brushed anodised finish. IP20 — for
interior installation only; ensure
adequate rack ventilation and do not
block airflow slots.

Control & integration

Timeline & synchronisation

- The 24-hour timeline engine syncs Audio, Video and DMX output precisely. MIDI Time Code input locks the timeline to an external workstation for frame-accurate cue delivery.
- Live Timeline Record captures Art-Net, sACN or DMX input in real time — replay improvised or live performances as pre-programmed shows with zero editing.

Automation & triggers

- PC Clock & Calendar automation maps any DMX value to year, month, day or time — fully schedule-driven lighting without an external BMS.
- Trigger scenes and timelines via MIDI notes, RS-232 serial commands, DMX input values, UDP datagrams or PC keyboard shortcuts.

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Configure your product

Universe licences are tied to the hardware and applied via the pre-installed software. Contact Pixelerr to upgrade a licence tier at any time — no hardware changes required.

Licence	Configuration	Licence	Configuration
NEO X 16	16 universes — 8 192 channels	NEO PRO X 128	128 universes — 65 536 channels
NEO X 32	32 universes — 16 384 channels	NEO PRO X 255	255 universes — 130 560 channels
NEO X 64	64 universes — 32 768 channels	NEO PRO X 512	512 universes — 262 144 channels

Example product codes

PL-NEO X 64 DMX / Art-Net Control Server — 64 universes

PL-NEO PRO X 512 DMX / Art-Net Control Server — 512 universes

External triggers & important notes

Connect to a correctly fused 100–240 V AC supply and use only the supplied power cable. For Art-Net and sACN output, connect to a Gigabit switch and assign unique universe numbers to avoid conflicts with other nodes on the network.

External triggers

Trigger	Type	Notes
MIDI notes / MTC	Hardware	Timeline lock & scene triggers
RS-232 · DMX IN	Hardware	Serial commands · DMX input values
UDP · keyboard	Software	SDK datagrams · PC shortcuts

Open SDK for integration with BMS, AMX, Crestron and third-party systems over Ethernet.

Important notes

- IP20 — for interior installation only; do not expose to moisture or outdoor conditions.
- Rated -40 °C to +85 °C; ensure adequate rack ventilation and keep airflow slots clear.
- Licence files are applied via the pre-installed software; contact Pixelerr to upgrade a tier.