"Finally, a reliable cinema automation that makes sense..."

NCA 30

Introducing the latest automation from Pennywise Peripherals, the NCA30. This automation has been designed from the ground up for digital cinema projection in the 21st century. Built on the experience gained from the hugely successful CAPIO series automations (CA21, CA100 & EMK1), this automation is the missing piece of the puzzle for modern projection systems.

With cinemas facing the challenge of controlling new digital projection equipment, together with existing equipment, the NCA30 is the "swiss army pocket knife" of cinema automation.
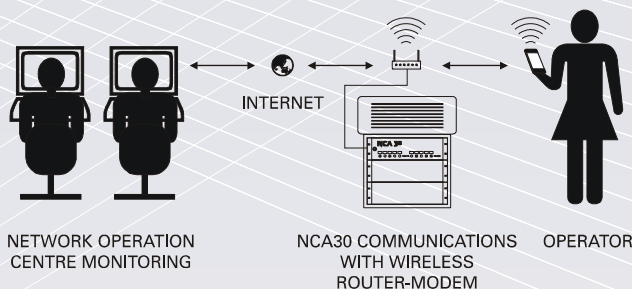
Features:

- Network connectivity (ethernet) for control from equipment such as Doremi servers, Christie Digital projectors etc.

- Web server for serving web pages for configuring, controlling and getting status information. Web page also displays command and status history with time stamp.

- 10 user buttons on front panel with customisable functions and labels.

- 10 tri-coloured status LEDs.

- Separate "Auditorium Power" push-button for quick access to auditorium power control.

- Controls digital sound processors using either ethernet or serial (RS-232) data.

- Controls analogue sound processors using built in digital controlled fader which simulates a potentiometer.

- 3 fully isolated serial ports (RS-232) for communicating with other devices such as dimmers, legacy sound processors etc.

- Up to 32 relay outputs and 12 isolated inputs.

- Once connected to ethernet, the NCA30 can have its software upgraded from anywhere in the world.

The NCA30 has a web server and can be controlled from an iPhone, iPad, Android phone or any device that has a browser. Cinema staff can be attending to other operations and easily check status or issue commands.

Has been tested with all popular browsers such as Internet Explorer, Firefox, Safari, Chrome etc.


NETWORK OPERATION CENTRE MONITORING

NCA30 COMMUNICATIONS WITH WIRELESS ROUTER-MODEM

OPERATOR

INTERNET

Did you know that Pennywise Peripherals has been designing and manufacturing cinema automations since 1986 with over 10,000 automations installed world wide?

The NCA30 is part of the CADET series automations from Pennywise Peripherals. The DA22 is also part of the CADET series of automations and has similar functionality, but without the physical front panel user interface.

Many DA22 versions of the CADET series automations have already been installed and running reliably.

Back panel view showing:
- AC Power
- Ethernet connection
- Screw terminal connections for relays (changeover contact available) and inputs.
- Screw terminal connections for isolated analogue fader control for legacy sound processors like Dolby CP65.
- Connections to in-built isolated +24V power supply. Used to supply external devices with power such as relays.
- Fully isolated RS232 serial ports.
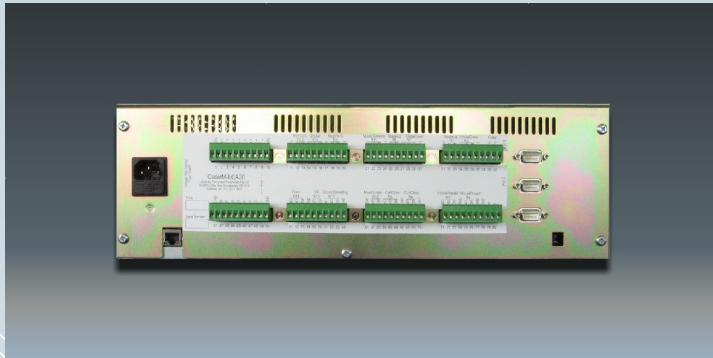
Note that other back panel configurations can be made available. e.g. "D" connector interface to relay and input contacts. The 19" mounting brackets may be attached in any 1 of 8 position. i.e. front, back, top, bottom and the same again but with the mounting angles turned in rather than out.

FEATURE	NCA30	DA22
Network interface	• Ethernet. Provides full TCP/IP stack allowing web and SSH (secure) access as well as TCP socket control from other equipment.	• Ethernet. Provides full TCP/IP stack allowing web and SSH (secure) access as well as TCP socket control from other equipment.
User interface	• 10 programmable buttons with customisable labels. • 10 user configurable tri-coloured status LEDs • 1 tri-coloured auditorium power control button.	
Inputs	• 12 opto-isolated. (5 - 30V)	• 8 opto-isolated. (5 - 30V)
Outputs	• 32 relay contacts (SPST), rated at 30V, 1A • The changeover contact is available in some configurations.	• 16 relay contacts (SPST), rated at 30V, 1A • The changeover contact is available in some configurations.
Serial communications	• 3 magneto-isolated RS-232 serial ports. • Can be used for controlling sound processors, light dimmers etc.	• 2 magneto-isolated RS-232 serial ports. • Can be used for controlling sound processors, light dimmers etc.
Analogue fader control	• Controls analogue sound processors using built in isolated digital controlled fader which simulates a potentiometer.	• Controls analogue sound processors using built in isolated digital controlled fader which simulates a potentiometer.
Real time clock	• Yes. Can be connected to time server to synchronise clock.	• Yes. Can be connected to time server to synchronise clock.
Auxillary power output	• +24VDC, 1.4A power available. (fully isolated)	• +24VDC, 1.4A power available. (fully isolated)
Dimensions	• 3U: (WxDxH) 483 x 140 x 135mm	• 3U: (WxDxH) 483 x 140 x 135mm
Input power	• AC Power (88 ~ 264VAC, 47 ~ 63Hz)	• AC Power (88 ~ 264VAC, 47 ~ 63Hz)

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