Consistent. Unique. Structured.

Clear identifiers for all devices and systems.

planspur netdesign gmbh

Device codes

Consistent device names for clear structures in NDPro. Every device receives a unique name such as `mon001` during planning, which is carried over unchanged into NDPro. So planning, installation and operations find the same device under the same name, in drawings, lists, search and monitoring.

Video	12 codes
enc001	**Encoder** Sends a video signal, e.g. from a laptop, onto the network.
dec001	**Decoder** Takes a video signal off the network to a display or projector.
mon001	**Display** Screen, touch display or All-in-One-LED.
led001	**LED controller** Alternative to `mon` for LED walls, per controller.
prj001	**Projector** Projector for a screen or wall.
cam001	**Camera** PTZ camera for conferencing, streaming or recording.
mtx001	**Matrix** Routes several video sources to several outputs.
vsw001	**Video mixer** Seamless source switching and scene composition.
mvw001	**Multiviewer** Several sources on one screen.
rec001	**Recorder** Records or streams live.
sig001	**Signage player** Plays content for info screens.
tvr001	**TV receiver** Receives satellite, cable or IP TV.

Conferencing & control	6 codes
vcs001	**Video conferencing** Room system for Teams, Zoom or Webex.
vtp001	**Conference touch panel** Control panel of the conferencing system → `vcs` related
tps001	**Touch panel** Control panel for the room.
btn001	**Button** Single network button, e.g. to mute the microphones.
wps001	**Presentation system** Wireless screen sharing to the room display.
ctl001	**Control processor** AV control system exchanging data with NDPro.

Audio	8 codes
mic001	**Microphone** Ceiling, table or wireless microphone including its receiver.
dsp001	**Audio DSP** Mixes and routes microphones and speakers.
amp001	**Amplifier** Power amp or AV receiver for the speakers.

aif001	**Audio interface** Brings audio onto and off the network (e.g. Dante).
cnf001	**Conference system** Discussion and voting system for council rooms.
als001	**Assistive listening** Room audio to smartphones or hearing aids.
aud001	**Audio player** Network player for background music.
lsp001	**Loudspeaker** Active network speaker, e.g. PoE or Dante.

Network & IT	7 codes
swt001	**Switch** Network switch for the AV equipment.
fws001	**Firewall / router** Secures, separates and connects the AV networks.
wap001	**Wireless access point** Provides Wi-Fi for tablets and laptops.
pcs001	**PC/Windows** Room PC, workstation or VM without an AV function.
srv001	**Server** Central management of devices or conferences.
hyp001	**Virtualization host** Server running virtual machines.
gen001	**Generic** Network device, monitored for reachability only.

Building & energy	8 codes
pdu001	**Power strip** Switches devices and measures consumption.
wbc001	**EV charger** EV charging station.
sns001	**Sensor** Reports occupancy or ambient values.
rly001	**Relay module** Switches screens, blinds or lights.
gwy001	**Building gateway** Link to KNX, DALI, BACnet or Modbus.
dmx001	**Lighting gateway** Controls lighting via DMX or Art-Net.
pvs001	**PV system** Monitors generation and battery level.
bma001	**Fire alarm system** Fire alarm, e.g. to shut down the AV equipment.

Reserved	1 code
inv001	**Custom Code** Reserved for custom code modules.

How a device name is built.

Three letters for the device type, three digits for the number.

mon	001
DEVICE TYPE	NUMBER

`mon001 = display no. 1`

01 CODE

Code by function

The code says what the device does, not who builds it: `mon` is every display. Each AV-over-IP endpoint is a separate `enc` or `dec`.

02 NUMBER

001 – 500 from planning

Planning assigns the numbers 001 to 500 and NDPro takes them over unchanged. Devices that were not planned receive the next free number from 501 automatically.

03 UNIQUE

Each name exactly once

Each combination of code and number exists only once. Numbers need not be consecutive. Blocks per building, floor or area are allowed.

04 SPELLING

Lowercase, no separators

Only lowercase letters and digits: `mon001`, not `MON-001` or `mon 001`. The same name appears in the plan, on the device and in the program.

05 DANTE

Dante port: name + dan

A dedicated Dante port is listed as a device of its own, the redundant secondary with `dan2`. It sits right next to the device in every sorted list. The suffix is fixed.

mic001	Microphone (control)
mic001dan	Dante primary
mic001dan2	Dante secondary (redundant)

06 VM

Virtual machine: name by function

VMs are named by their function (`srv`, `pcs`), the host is `hyp`. The host goes into the label, not the name. If the VM moves, its name stays the same.

hyp001	Hypervisor
↳ srv001	NDPro (on hyp001)
↳ pcs001	Service PC#1 (on hyp001)