LUCI

The NX5 brings HDMI onto IP.

The NX5 brings up to five HDMI sources onto your network as part of a LUCI deployment — specified, configured, and supported with the rest of the A/V environment.

The NX5 standardizes the path from HDMI to IP. Five source feeds enter one rack unit, then become available to the LUCI-managed video environment.



Five HDMI sources

Five HDMI 1.4 inputs accept video up to 4K at 30 fps, with embedded audio carried alongside each source.

- ✓ **Common source types** — satellite receivers, set-top boxes, media players, cameras, and signage sources.
- ✓ **Standard codecs** — H.265, H.264, and MJPEG encoding.

Built for distribution

Gigabit Ethernet carries encoded streams across the property network using standard transport protocols.

- ✓ **Flexible transport** — RTSP, RTMP, HTTP, HLS, and UDP.
- ✓ **Network-ready delivery** — unicast and multicast distribution over 10/100/1000M Ethernet.

Part of the LUCI standard

The NX5 is deployed inside the LUCI head-end rather than introduced as another standalone product.

- ✓ **Integrated delivery** — specified, installed, configured, and commissioned with the complete environment.
- ✓ **One accountable team** — supported as part of LUCI after deployment.

> **You get the functionality you need without another standalone system to source, configure, and support.**

TECHNICAL REFERENCE

Deployment details.

Specifications for source capacity, network fit, and installation requirements.

Video

Inputs	5 × HDMI 1.4
Maximum input	4K at 30 fps
Video codecs	H.264 Main / Baseline / High; H.265 Main; MJPEG / JPEG Baseline
Frame rate	1–60 fps adjustable
Maximum rate	40 Mbps
Rate control	CBR, VBR, AVBR

Network

LAN	10 / 100 / 1000M RJ45
Protocols	RTSP, RTMP, HTTP, HLS, UDP
Distribution	Unicast and multicast
Wireless	Optional dual-band Wi-Fi module

Audio

Input	Embedded HDMI audio
Sampling rates	48 kHz, 44.1 kHz, 32 kHz, 16 kHz, 8 kHz
Audio codecs	AAC, MP3, MPEG-2

Installation

Chassis	1RU rackmount
Dimensions	19 × 8 × 1.75 in
Power supply	DC 12V 5A
Power draw	< 20W
Operating range	0–70°C

System management

Configuration
Web interface with live parameter updates

Administration
Firmware, network settings, and password management

Source tools
Logo, watermark, subtitle, mosaic, and timestamp overlays

PART OF THE LUCI DEPLOYMENT

What the client receives

System design
Quantity and placement defined by project requirements.

Rack integration
Installed inside the standardized LUCI head-end.

Configuration
Sources mapped, network settings applied, and streams validated.

Ongoing support
Maintained with the rest of the LUCI environment.