	SDVoE	Crestron NVX
Sustainable	• As little as 7 watts – save up to $113 per endpoint per year in electricity costs! • Fanless designs common • PoE class 3	• 20 to 35 watts • Fan required • PoE+ required but Crestron recommends a power brick (not included) “to avoid possible instability”
Flexible	• Built-in scaling, video wall, multiview • Interoperable platform supported by 50+ companies • Wall plates available	• No multiview • Walled-garden supported by a single vendor • No wall plates available
Available	• Pro AV ASIC in stock • Bill of materials: 881 parts from 51 suppliers • 85% of members shipping within two weeks	• FPGA in demand across all electronic industries • Bill of materials: 2,564 parts from 240 suppliers • Call Crestron for availability

Download this comparison at https://sdvoe.org/technology/sdvoe-vs-nvx/

SDVoE® ALLIANCE

Facts, figures, and sources

Data sources – Jan 25, 2023

Global electricity prices

https://www.globalpetrolprices.com/electricity_prices/

Crestron DM-NVX-351 spec sheet

https://www.crestron.com/Products/Video/DigitalMedia-Streaming-Solutions/Hardware-Encoders-Decoders/DM-NVX-351

Spec sheet footnote: “To prevent possible instability issues, it is recommended that the PW-2412WU power pack (sold separately) be used.”

Crestron BOM figures from Crestron town hall event

https://www.avinteractive.com/news/crestron-reveals-improvement-in-suppy-chain-challenges-30-08-2022/

This doc | Energy prices | NVX specs | Town hall

Calculating power savings cost

- 35 W (Watts) – 7 W = 28 W wasted by FPGA
- 28 W for 24 hours = 672 W-h (Watt-hours) daily
- 672 W-h daily * 365 = 245,240 W-h annually
- 245,000 W-h = 245 kW-h
- Multiply 245 kW-h by local electricity rate
- Germany commercial rate: $0.462/kW-h
- 245 kW-h * $0.462/kW-h = $113

Customize for your scenario

$$(P_1 - P_S) * 8.76 * C_e = S_a$$

P_1 = *power consumed by 1g endpoint (W)*

P_S = *power consumed by SDVoE endpoint (W)*

C_e = *power cost at your location ($/kWh)*

S_a = *annual power savings per endpoint ($)*

SDVoE ALLIANCE