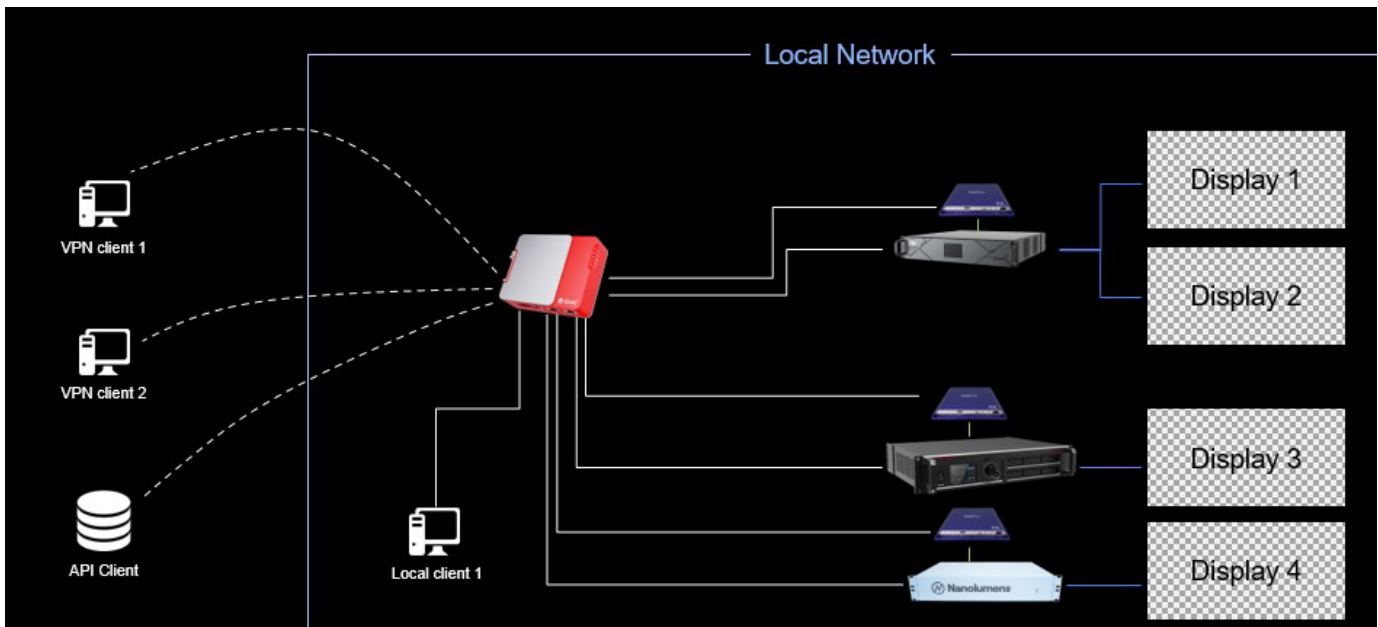


Introducing NanoSuite, Powered by ISAAC[®]

Integration at its finest. Nanolumens is bringing you a new software module built to work within the ISAAC[®] platform. Within the NanoSuite module, users can monitor their Nanolumens display performance, control and schedule displays, manage content, review historical performance, and troubleshoot from the single interface. NanoSuite and the ISAAC[®] system have the ability to work completely local, on-premises (On-Prem), via API, or through remote access.



System Architecture



NanoSuite only available with purchase of our FlexCare SLA through 12/31/23.

Integrating Systems

The NanoSuite and ISAAC[®] platform are designed to operate as an on-prem solution, both databasing and operating within the local unit. However, for the system to be able to read and control the display network and its components, the system must have access to each of the display processors, control PC, and/or any other components to be monitored. Depending on the processing solution, different connections are required.

Display Status and Control

- Nanolumens DIU - USB
- Novastar H Series - IP
- Novastar MCTRL 4K - IP
- MegaPixelVR - N/A

Display Management and Support

Nanolumens Control PC - IP

Without an active connection between the platform and each of the devices, the associated parameters will not be enabled or recorded.

Remote Access

The only requirement for use of NanoSuite and ISAAC[®] is network access to the system. For systems that desire remote access, all that is needed is network extension from ISAAC[®] to the user through a VPN or similar technology. All ISAAC[®] features and hardware fully support routing IP traffic, so existing IT teams and infrastructure can be leveraged natively. The ISAAC[®] Workspace uses standard HTTP and requires no special firewall rules. ISAAC[®] does not proxy connections between end users and devices that may be serving Control Panels. This means that for a user to have access to the NanoSuite module, they will need network access to those devices. When implementing routing, firewalls, or VPNs, the client device path must be considered for users to have access to those items.

Technical Specifications

Supported Browsers

- PREFERRED - Google Chrome New (version 70 or greater)
- Microsoft Edge
- Firefox (version 65 or greater)
- Safari (version 13 or greater)

ISAAC[®] Connect[™] Supported Protocols

- SSH
- Telnet
- VNC
- Microsoft Remote Desktop

API: JSON Rest API

Required Incoming Protocols/Ports

HTTP(S) - TCP: 80, 443

Optional Outgoing Protocols/Ports

SSH - TCP: 22 (Default)
Telnet - TCP: 23 (Default)
VNC - TCP: 5900 (Default)
RDP - TCP & UDP: 3389