VIDEO COMPANION / NRS8T2P

NDI switch configuration

Start by identifying the NDI mode, the endpoint models and whether the sources use unicast or multicast media. Plan actual bitrate and simultaneous subscriptions.

Configure the media path

1. In Configuration > Ports, verify full-duplex links and size every uplink in each direction. Use the documented frame-size and flow-control settings for the NDI equipment. Verify negotiated pause behavior and test with competing traffic if enabled.
2. Preserve local mDNS discovery, or configure NDI Discovery Server where the deployment uses it. On a dedicated NDI network, start with the vendor's baseline and verify the application under load. On shared switches, preserve other services' agreed QoS policies rather than clearing all DSCP settings.
3. If multicast sending is enabled, turn on IGMP snooping globally and on the media VLAN, and verify one active querier. When the NRS is the designated querier, set the approved IPv4 source address in VLAN Configuration and verify it on the wire. Keep Fast Leave disabled for this baseline. Do not enable it as a prerequisite for NDI.

Save and test

- Save page settings and startup configuration. Test discovery, streams at intended load, subscriptions across uplinks, and the receive experience while other receivers change sources. Check utilization, drops and errors.

Use the accompanying video for navigation. Follow the settings in this revised guide where the recording differs.

References

Niveo NRS managed-switch manual, rev. 3.1

NDI white paper, Network Layout

NDI white paper, Multicast

Documentation review. Validate with the exact firmware and endpoints before deployment.