



TECH NOTE

VICON TECHNICAL SERVICES GROUP

Subject: Nucleus Configuration Product: Kollektor Elite Products Number: 1400-0001-52-00 Date: 6/24/03

Introduction:

The Nucleus takes an active role in the ViconNet system. With every version the Nucleus has more responsibilities and the more computers connected to the system the more resources the Nucleus requires. This document describes the recommendation of where the Nucleus should be located within the system architecture.

Nucleus IP Configuration:

The Nucleus and backup Nucleus must have fixed IP addresses. DHCP cannot be used on the machine running the Nucleus.

Nucleus Location:

It is strongly recommended that the Nucleus and backup Nucleus (if necessary), whenever possible, should run on dedicated WS's

- **Small System – Less than 5 Sites**

In a small system the Nucleus can be on any of the recorders or WSs.
A backup Nucleus should only be configured if deemed necessary.

Note: If the Nucleus is configured on a recorder and the recorder is heavily loaded with recording and transmissions then the Nucleus should be moved to a dedicated WS.

- **Medium/Large System – More than 5 Sites**

In a medium/large system the Nucleus and backup Nucleus should run on a dedicated WS only.

***Note:** A Site is any of the following: Recorders (KE/KP), transmitters (VN306T), and/or WSs.