



Technical Tip

COM51 & NTSC-8

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ISSUE: Providing Pro:Idiom protected content while simultaneously streaming to an NTSC-8 has presented video quality issues when the COM51 tuner card is providing over 16 channels of content in a COM400 chassis.

SOLUTION: For 54-channel systems, simple tuner management will provide an easy fix such that any card which is streaming content to the NTSC-8 will have less than 16 tuners active.

Example: 54-channel system with 4 NTSC-8 devices streaming out 32 analog channels.

WON'T WORK

Card 1: 23-tuners

Card 2: 23-tuners

Card 3: 8-tuners

WORKS

Card 1: 16-tuners (stream out to 2xNTSC-8)

Card 2: 16-tuners (stream out to 2xNTSC-8)

Card 3: 22-tuners (unable to stream to NTSC-8)

Some systems which maximize the number of tuners licensed in each card could benefit from adding an additional COM51 and spreading the tuner licenses across all cards which will keep the system cost at a minimal difference.

Example: A 69-channel system with 23-tuners per card can be split into a 4-card system but reducing the needed licenses from 45 to 37. Two COM51s can output 16 streams each supplying content for 32 channels of analog via the NTSC-8 as in the previous example.

NOTE: Any other mixture of COM51, COM46, COM360 or other legacy equipment will require validation testing before deployment.