# SONY

# NU-NM11B

Network System Manager
Software

## Overview

**Controls video routing with NU-IP40S/NU-IP40D Medical IP Converters**

With four times the resolution of Full HD, 4K imaging allows medical staff to view video images from surgery and other clinical procedures with enhanced resolution, contrast and colour accuracy.

NU-NM11B Network System Manager software controls Sony NU-IP40S/NU-IP40D Medical IP Converters that convert 4K surgical video images from endoscopic cameras, surgical microscopes and other modalities to IP for streaming and sharing across hospital networks.

The NU-NM11B manages the routing of outputs from multiple connected picture sources to selected video monitors. It also features an API (Application Programming Interface), allowing integration with a general-purpose OR controller.

Thumbnail images are automatically created from modalities connected to the IP Converter and sent to the OR controller.

The Network System Manager sets the RS-232C mode of an IP Converter to 'active', enabling it communicate with connected AV devices.

Network System Manager can detect if a cable fails or is disconnected, switching to the remaining cable and sending an alert to the OR controller and contributing to greater safety during surgical procedures.

## Features

### Multiple picture signal switching

The NU-NM11B manages the routing and distribution of video images from mutiple connected NU-IP40S/NU-IP40D Medical IP Converters to selected monitors.

### API (Application Programming Interface)

Enables control from general-purpose OR controllers such as AMX, Crestron and Extron

### Create thumbnail images

Thumbnail images are automatically created from modalities connected to the IP Converter and sent to the OR controller.

### RS-232C control

The Network System Manager sets the RS-232C mode of a connected NU-IP40S/NU-IP40D IP Converter to 'active', enabling communication with AV devices.

### Failover protection

If a cable fails or is disconnected, the NU-NM11B Network System Manager will switch automatically to the remaining cable, while sending an alert to the OR controller.

## Specifications

| System Requirements | |
| --- | --- |
| CPU | Core i7 or Xeon (4 Core) 3 GHz or above |

| | |
|---|---|
| Memory | 8 GB or above |
| HDD | 512 GB available disk space |
| OS *1 | Windows Server 2012 R2 |
| Network I/F | Gigabit Ethernet x2 or above |
| Display resolution | 1920 x 1080 or above |
| Browser | Google Chrome Version 47 or later, Internet Explorer 11 or later |

## General

| | |
|---|---|
| Compliance with Medical Safety Standards | Yes |

## Note

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|---|---|
| *1 | Please purchase the necessary number of CAL (Client Access License) according to the system architecture. |

## Related products

### NU-IP40D

Medical IP Converter
(DVI/HDMI version)

### NU-IP40S

Medical IP Converter

Gallery

Optional
NETWORK SYSTEM
MANAGER
SOFTWARE

FOR NU-IP40D/
NU-IP40S