

## PWS-110NM1

IP Live System Manager  
workstation



### Overview

The PWS-110NM1 IP Live System Manager Station comes with IP Live System Manager software that allows you to set-up, control and reconfigure an IP live production system.

\*1 For more details on the JT-NM Tested program at NAB 2019 and its test results please see [https://jt-nm.org/jt-nm\\_tested](https://jt-nm.org/jt-nm_tested).

### Features

#### **System Configuration**

The IP Live System Manager provides a variety of configuration functionalities such as router setting, monitoring setting, redundancy setting, device registration, workgroup registration, and user registration. These configuration settings can be flexibly modified, and the user can build a several production systems under one networked system of AV devices.

#### **Video and Audio Routing Capability**

The IP Live System Manager software provides video and audio routing functionality that is similar to video routers. Control buttons and its layout can be flexibly configured at users discretion.

## Network Monitoring

You can monitor the status of devices in a network topology view, helping users to intuitively understand the portion where an error is occurring. A variety of status indicators are available such as network switch status indication and device status indication.

## System Maintenance Functionality

The PWS-110NM1 collects status logs from AV and network devices, providing basic system maintenance functionality. By using Sony's remote maintenance service, the PWS-110NM1 communicates with remote maintenance server allowing remote users and Sony's support team to detect and investigate system issues.

## A Variety of Software Licenses<sup>\*1</sup>

The variety of IP Live System manager functionality is enabled by installing the software licenses. You can configure the IP Live System manager by choosing necessary functionalities that are just fit to your system requirement.

- 1. PWSL-NM10 IP Live System Manager License:** Basic license. Up to 128 I/O. Up to 20 simultaneous user access
- 2. PWSL-NM11 128 I/O Port License:** Additional NMI 128 I/O
- 3. PWSL-NM12 Redundant System License** Necessary for redundant LSM configuration
- 4. PWSL-NM13 10 User License:** Additional 10 simultaneous user access
- 5. PWSL-NM14 UHD License:** Enables 4K/8K

- 6. PWSL-NM15 Audio Control License: Provides Audio over IP control
- 7. PWSL-NM16 Gateway License for Ember+: Enables controller's with Ember+ protocol such as VSM to control LSM.
- 8. PWSL-NM17 Tally License: to support TSL UMD Protocol
- 9. PWSL-NM18 NMOS License: to support NMOS Media Node
- 10. PWSL-NM20 System Controller License: to control XVS Switcher and SDI Router matrix, which supports NS-BUS protocol\*<sup>2</sup>

\*<sup>1</sup> All licenses are valid for 5 years. One-year extension licenses are available which can be installed any time the original licenses are effective.

\*<sup>2</sup> The license is necessary for activating more than three NS-BUS devices.

## Specifications

### General specifications

Power requirement	100 V to 240 V AC 50/60 Hz
Power consumption	235 W
Standby power consumption	3 W or lower
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)

Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating humidity	20% to 90% (relative humidity)
Storage humidity	5% to 80%
Mass	10.4 kg (22 lb. 15 oz.)
Dimensions	440 × 43.6 × 507 mm (17 3/8 × 1 3/4 × 20 in.) (width / height / depth)
Processor	Intel Core i7-3770 (3.4 GHz)
Memory	8 GBytes SO-DIMM (DDR3) (2)
Drive (m-SATA)	120 GBytes
Expansion bus	PCIe Gen2 8Lane (30 W) (2)

## Inputs/outputs

LAN	RJ-45 (2) 1000BASE-T 100BASE-TX
USB (front panel/rear panel)	Super Speed USB (USB 3.0) Type A (6, 2 on front and 4 on rear) Front: Power delivery support (900 mA/port) Rear: Power delivery support on bottom right port (900 mA), not supported on other three ports

HDMI	Type A (1) HDMI Ver. 1.4a, 1920 × 1200 maximum resolution, 60 Hz
DisplayPort	DisplayPort (1) DisplayPort Ver. 1.1a 2560 × 1600 maximum resolution, 60 Hz

## Supplied accessories

Operation manual (this document) (1)  
Installation manual (1)  
Operation guide (1)

## Related products



### MKS-R3210

Remote control panel of NS-BUS system



### OTM-25GLR

SFP28 Optical Transceiver Module (LR)



### NXL-FR316

SDI-IP signal processing unit



### XVS-7000

Mid-range 4K/3G/HD video switcher for IP and SDI



### XVS-8000

4K/3G/HD multi-format IP-ready video switcher



### XVS-6000

Entry-level 4K/3G/HD video switcher for IP and SDI



### NXL-FR318

SDI-IP signal processing unit



### MKS-R1620

Remote control panel of NS-BUS system



## MKS- R1630

Remote control panel of NS-BUS system



## HDCU- 3500

IP-ready Camera Control Unit (CCU) for HDC-3500 4K/HD system camera



## OTM- 100GSR

SFP28 Optical Transceiver Module (SR)



## NXLK- IP50Y

SDI-IP Converter Board with eight 1.5/3G-SDI ports, supporting SMPTE ST 2110 in HD/4K and HDR



## NXLK- IP51Y

12G SDI-IP Converter Board with two 1.5/3G-SDI and two 12G-SDI ports, supporting SMPTE ST 2110 in HD/4K and HDR



## NXL-IP4F

SDI-IP Converter Unit



## NXLK- IP40F

SDI-IP converter board with 3G-SDI and SFP+ ports



## XVS-9000

4K / 3G / HD multi-format IP-ready video switcher



## OTM- 25GSR

SFP28 Optical Transceiver Module (SR)



## ICP-X7000

Control panel for XVS Series and MVS-X Series switchers



## OTM- 10GSR1

10GBASE-SR SFP+ Transceiver for Sony Networked Media Interface products



## NXLK- IP45F

AV Multiplexer/Demultiplexer Board

## Gallery

