NVKM-M42 (PoE)
NVKM-M41 (Non-PoE)

4K HDMI Extender Video Matrix over GbE LAN
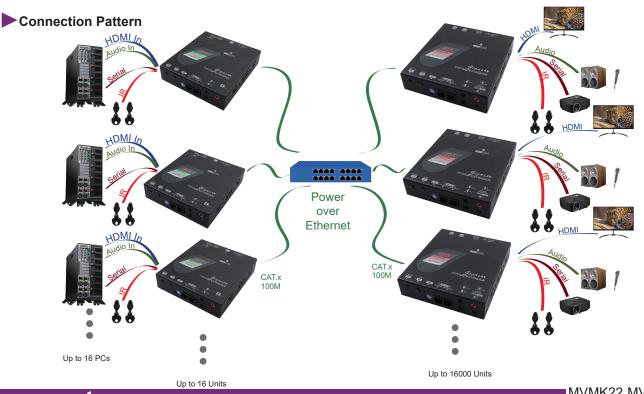## with Audio, IR, Serial, Video Wall, 100M

Rextron

▶ Specifications

Model Number	Sender Unit	Receiver Unit
NVKM-M42 (PoE)	NVKM-42L	NVKM-42R
NVKM-M41 (Non-PoE)	NVKM-41L	NVKM-41R
MAX. Resolution	3840x2160@30Hz (4:4:4)	
Video Extension	HDMI 1.4 x 1 (In)	HDMI 1.4 x 1 (Out)
Speaker Extension	3.5mm SPK Jack x 1 (In) (Audio Embed Function)	3.5mm SPK Jack x 1 (Out)
Microphone Extension	3.5mm MIC Jack x 1 (Out) (Uni-Cast Only)	3.5mm MIC Jack x 1 (In) (Uni-Cast Only)
IR Extension	3.5mm IR Jack x 1 (Out) 3.5mm IR Jack x 1 (In)	3.5mm IR Jack x 1 (In) 3.5mm IR Jack x 1 (Out)
Serial Extension	RJ11 x 1 (RS-232)	RJ11 x 1 (RS-232)
Serial Control	RJ11 x 1 (RS-232)	RJ11 x 1 (RS-232)
HDCP Compliance	HDCP 1.4	
CAT.x Link Port	RJ45 x 1	
MAX. Bandwidth	850Mbps Each Video Source	
LAN HUB	GbE LAN HUB with IGMP, Jumbo Frame	
Extension Range	MAX. 100M with CAT.x (Unit-to-HUB) MAX. 150M with CAT.x (Point-to-Point)	
LED Indicators	Status x 1	
Push Buttons	Reset x 1, Function x 2	Reset x 1, Function x 2
Power Supply(M42)	PoE from LAN HUB (with Optional DC 12V)	PoE from LAN HUB (with Optional DC 12V)
Power Supply(M41)	DC 12V	DC 12V
Operation Environment	0~40°C, Humidity<80%	
Storage Temperature	-20~60°C	
Material	Metal	
H x W x D (mm)	28 x 117 x130	28 x 117 x 130

▶ Features

- Allows Reliable Remote Access of Multiple Video Sources at Multiple Console Stations inside A LAN System
- Up to 16 Channels Selectable Using A Rotary Switch and May Broadcast to Up to 16000 Stations
- Support Multi-to-Multi, Multi-to-Single, Single-to-Multi, Single-to-Single Link Topologies
- EDID Management Ensures Display Compatibility
- HDMI 1.4 Video Supports Most Popular Resolutions Up to 4K@30Hz (4:4:4)
- HDCP 1.4 Compliance Ensures Uninterrupted Video Playback
- Independent Audio and Microphone Extension Also Allows Embeded Audio
- Bidirectional IR Extension Facilitates IR Control of AV Sources
- Serial Extension and Serial Control Allows for Extensive Control Applications
- Plug-and-Play, No Driver or Software Required
- Support Windows / Mac / Linux / Chrome O.S.
- Video Wall Functions Up to The Size of 9x9
- PoE (Power over Ethernet) Allows The Units to Be Powered by The PoE HUB (DC 48V)

▶ Overview

The 4K HDMI Extender Video Matrix over GbE LAN, NVKM-M42, enables 100M remote access to multiple computers at multiple stations, including interfaces of 4K HDMI 1.4 video, Audio, plus IR and Serial for more controls.

▶ Connection Pattern

HDMI In
Audio In
Serial
IR

Power over Ethernet

HDMI
Audio
Serial
IR

CAT.x 100M

Up to 16 PCs

Up to 16 Units

Up to 16000 Units

MVMK22 MVMK20
MVMK12 MVMK10