

ND-100M-4K-IP-RX

IP Multicast UHD Video Transmitter over 1GB Network



NETWORK DEVICES



Description

The ND-100M-4K-IP-RX employs visually lossless compression technology to distribute 4K60Hz video with HDCP2.2 content including IR, RS-232 & USB /KVM signals up to lengths of 100m over 1Gb network infrastructure. It features broadcast quality up-scaling and down-scaling and video wall functionality. The unit can be powered remotely via POE or locally using a 12v power supply.

Features

- HDCP 2.2 compliant
- UHD Video over 1Gb Network
- Up-Scaling and Down-Scaling
- Videowall Processing
- Support up to 4K60 4:4:4 input, 4K60 4:2:0 output
- Color space: RGB, YCbCr 4:4:4, YCbCr 4:2:2
- JPEG2000 main stream and standard H.265 codec auxiliary stream
- Transmit video, audio, infrared, USB2.0 KVM up to 100m
- Supports unicast, multicast, video segmentation and TV wall function
- HDMI audio formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- POE (Power over Ethernet) and Local Powering
- Supports:
 - Video Matrix over IP
 - One to One
 - One to Many

Specifications

Technical	
HDCP Compliant	HDCP 2.2
Video Bandwidth	10.2 Gbps (297MHz)
Video Resolution	480i ~1080p50/60Hz, 4Kx2K@24/30Hz, support 4k2k@60Hz input
Color Depth	8/10/12-bit (1080P60Hz) 8-bit (4K60Hz)
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
HDMI Audio Formats	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Technical	
Input ports	1x HDMI Type A (19-pin female) 1x IR IN phoenix connector (3-pin female) 1x 12V 1A bolt power socket 1x RS232 phoenix connector (3-pin female) 1x USB HOST Type B (5-pin female) 1x AUDIO IN phoenix connector (3-pin female)
Output ports	1x HDMI Type A (19-pin female) 1x IR OUT phoenix connector (2-pin female) 1x AUDIO OUT phoenix connector (3-pin female)
Mechanical	
Housing	Metal enclosure
Color	Black
Dimensions	200mm [W] x 100mm [D] x 20mm [H]
Weight	TX:509g, RX:496g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	TX: 9.8W, RX: 7W
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Relative Humidity	20 - 90% RH (no condensing)
The use of "Premium High Speed HDMI" cable is highly recommended.	

Specifications subject to change without notice.