Wireless Extender for HDMI, Keyboard & mouse, HDWX-100-TR

Description

The OPTICIS wireless Extender, HDWX-100-TR is designed for wireless signals extending of HDMI, keyboard and mouse. The transmitter module HDWX-100-T connected to the HDMI source encodes the HDMI by H.264 and transmits the signal via advanced Wi-Fi, 802.11a/n technology. The receiver module, HDWX-100-R connected to the display receives and decodes wireless signal into HDMI for display. The USB keyboard and mouse interface in the receiver module, HDWX-100-R also can be accessed to the source via transmitter module HDWX-100-T, if it is connected to the source by USB interface.

The HDWX-100-TR supports the digital video data of full HD up to 1920x1080p at 60Hz and 7.1ch surround audio and transmits the signal up to 30 meters (100feet). It also enables to distribute one (1) video source up to four (4) displays and makes four (4) local keyboard and mouse accesses to the source.

By using GUI interface, user can select one of active transmitters for pairing in the receiver side. With these key features, 4 x 4 wireless routing system can be configured without any electrical connection.

Applications

・ Home A/V
・ KVM
・ Video control room
・ Digital signage
・ Medical imaging

Specification

• Compact design for direct hook up
• Wi-Fi standard: 802.11n, 5GHz, 2x2 MIMO, internal antennas (Maximum Throughput: 300Mbps)
• WPA/WPA2 and QoS
• Supports up to 1920x1080, 60Hz video and 7.1ch audio
• Has H.264 codec
• HDMI V1.3 and HDCP2.0 compatible
• Coverage distance (1:1 based)
  - LOS (Line of Sight): up to 80meters
  - NLOS: up to 30meters
          : Typically 20meters (Indoor)
• Multi-cast: up to 1:4 distribution at 1920x1080, 60Hz
• USB backchannel: extend PC control to remote-site (RX)
    : HID mouse and keyboard
• HDWX-100-T (Transmitter)
  - Power, HDMI Input and mini USB ports
  - PBC button and two (2) LEDs for Power and Wireless status
• HDWX-100-R (Receiver)
  - Power, HDMI Output and Dual USB ports
  - Three (3) buttons for Menu [M],

    Right [▶], Down [▼]) and two (2) LEDs for

    Power and Wireless Status
• Size (WDH): 66 x 105 x 25mm
• Certification: FCC/CE

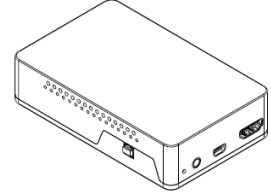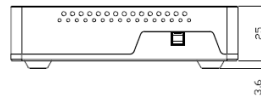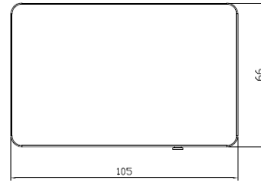# Wireless Extender for HDMI, Keyboard & mouse, HDWX-100-TR

Supporting Resolutions

• 480p60, 576p50

• 720p50, 720p60

• 1080i30, 1080i50, 1080i60

• 1080p24, 1080p30, 1080p50, 1080p60

• 640x480p60

• 800x600p60

• 1024x768p60

• 1280x768p60

• 1280x960p60
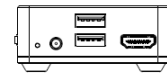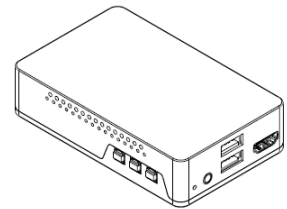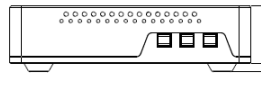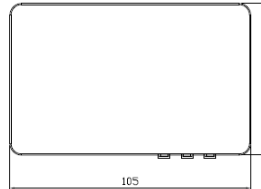
• 1280x1024p60

• 1600x1200p60

• 1920x1080p60

Note: Some DVI resolutions may not be shown properly on the display. The image would be shifted to one side.

Dimension

Transmitter

Receiver

Dimension [mm]

Connection Diagram

Mini USB Cable for KVM Extender

Media Center PC

Blu-Ray/DVD

STB

Game Console

Handheld

HDMI IN

Transmitt

Power Adaptor @ 5VDC

Receiv

HDMI OUT

Monitor/TV

Power Adaptor @ 5VDC

USB Mouse & Keyboard for KVM Extender @ Dual USB Port

All contents are subject to be changed without prior notice.