The Intelix INT-IPEX1000 series extenders are designed to distribute an HDMI formatted video signal from a single source to multiple displays, such as a digital signage environment. These extenders use parts of the link layer and network layer of the OSI model to distribute the video signal.

The INT-IPEX1001 is an HDMI video to M-JPEG encoder which broadcasts the video via multicast packets through the LAN output to the entire network. The INT-IPEX1001 has a built-in EDID of 1080p/30 with 2 channel audio.

The INT-IPEX1002 receives the multicast packet stream on the LAN input and decodes the M-JPEG video back to an HDMI formatted video stream.

While the INT-IPEX1000 series extenders use Ethernet switches to distribute a video signal to multiple displays, these devices must be installed on their own dedicated network infrastructure.
### Input/Output Connections

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN port</td>
<td>One (1) 8P8C-F</td>
</tr>
<tr>
<td>HDMI Input (INT-IPEX1001)</td>
<td>One (1) HDMI Type A Receptacle</td>
</tr>
<tr>
<td>HDMI Output (INT-IPEX1002)</td>
<td>One (1) HDMI Type A Receptacle</td>
</tr>
<tr>
<td>5vDC Input</td>
<td>One (1) Threaded Locking Barrel (5.5 mm OD; 2.6 mm ID)</td>
</tr>
</tbody>
</table>

### Supported Audio and Video

- **Maximum Video Compatibility**: 24 Bit at 1080p
- **Video Compliance**: HDMI 1.3 and HDCP 1.3
- **Embedded Audio**: PCM 2-channel, 44.1 and 48 KHz

### Ethernet Signal Characteristics

- **Maximum Distance**: 100m
- **Cable Requirements**: Solid core Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
- **Ethernet Standards**: IEEE 802.3/802.3u/802.3x/802.1p/802.3q
- **PoE Standards**: IEEE 802.3af/at (Type 1)
- **Transcoder Compression**: Motion JPEG
- **Transmission Method**: Multicast streaming on Link and Network layers of OSI model

### Chassis and Environmental

- **Enclosure Material**: Galvanized Steel
- **Enclosure Dimensions (H x W x D)**: 21.5 mm x 120 mm x 60 mm (0.85 in x 4.72 in x 2.36 in)
- **Shipping Weight**: 0.18 kg (0.40 lbs)
- **Operating Temperature**: 0° to +55° C (+32° to +131° F)
- **Operating Humidity**: 10% to 90%, Non-condensing
- **Storage Temperature**: -40° to +85° C (-40° to +185° F)
- **Storage Humidity**: 10% to 85%, Non-condensing

### Power and Regulatory

- **Power Consumption (INT-IPEX1001)**: 4.2 watts
- **Power Consumption (INT-IPEX1002)**: 3.5 watts
- **ESD Protection**: ±15 kV
- **Product Regulatory**: CE, FCC, RoHS

### Other

- **Warranty**: 2 years
- **Diagnostic Indicators**: Power, Link, Data
- **Power Supply (sold separately)**: PS-SD-10
- **Included Accessories**: Installation Guide, Rubber feet (4 ea), Mounting brackets (2 ea) with screws

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.