4K HDMI Over Fiber Extender

LKV378-4K

This HDMI extender over fibre optic cable incorporates HDbitT transport technology, allowing you to extend 4K@25/30Hz HDMI signal up to 20km distance between the source device to display end and supporting IR pass back function.

Features
- Extends HDMI over a single optic fibre cable
- Transmits 4K Ultra HD (4K@25/30Hz) signal up to 20km
- Support IR passes back for easy control
- Compatible with existing network, not affect the Internet
- Inherently immune to electromagnetic interference
- Low signal loss, wide frequency band and strong anti-interference

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>HDMI Signal</td>
<td>Full compatible with HDCP</td>
</tr>
<tr>
<td>Transport Protocol</td>
<td>HDbitT</td>
</tr>
<tr>
<td>Support Resolution</td>
<td>75Ω</td>
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<tr>
<td>Support Resolution</td>
<td>480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz, 4Kx2K@25/30Hz, 4x2K@25/30Hz</td>
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<tr>
<td>DDC Signal Voltage</td>
<td>5V p-p (TTL)</td>
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<tr>
<td>TMDS Bandwidth</td>
<td>10.2Gbps</td>
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<tr>
<td>Central Wave Length</td>
<td>1310nm</td>
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<tr>
<td>Transmission Distance</td>
<td>20km</td>
</tr>
<tr>
<td>Link Loss</td>
<td>≤14dB</td>
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<tr>
<td>Output Light Power</td>
<td>≥-11dBm</td>
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<tr>
<td>Receive Sensitivity</td>
<td>≤-32dBm</td>
</tr>
<tr>
<td>Return Loss</td>
<td>15dB</td>
</tr>
<tr>
<td>IR Remote Control</td>
<td>Support 20 – 60KHz IR Remote Control</td>
</tr>
<tr>
<td>Power Supply</td>
<td>DC 5V/2A *2pcs</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>TX &lt;5W, RX &lt;4W</td>
</tr>
<tr>
<td>Working Environment</td>
<td>0°C – 60°C</td>
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<tr>
<td>Enclosure Material</td>
<td>Aluminium Alloy</td>
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<tr>
<td>Product Dimension (L x W x H)</td>
<td>151.5 x 95 x 22mm *2pcs</td>
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<tr>
<td>Weight</td>
<td>TX: 360g, RX: 360g</td>
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<tr>
<td>Colour</td>
<td>Black</td>
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