CPT-387
HD to Video Converter

Operation Manual
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1. **Introduction**
This is a HD to Video with HD bypass scan converter box. It is designed to convert a variety of HD images, from 480p up to 1080p and converts them to NTSC or PAL standards video and HD images bypass. Simply use switch to select NTSC/PAL output format, the user also can adjust the overscan/underscan from the front panel. It is ideal for using in applications like video conference, home theater, business presentation, lecturing room or viewing HD image on TV.

2. **Main Features**
- Supports high resolution HD input up to 1080p.
- Supports component (YPbPr) input and scale down to Composite video/S-video output or HD bypass. Suggest the component input can lower the resolution as possible because the scales down from the high resolution to Composite video/S-video output the resolution will distortion during the video processing.
- Switch between NTSC/PAL
- Image Overscan/Underscan selection.
- Easy to install and simple to operate.
3. Hardware Description
The following sections describe the hardware components of the unit.

3.1 Front Panel

1. HD input: Connect the YPbPr input connector to the source, such as DVD player.
   Note: When input source end is not displaying full screen (i.e. letter box/pillbox image) then the output display end may come out with wrong size or position images. Hence, input source must set on full screen first before powering on the converter.

2. Power indicator: The power LED will illuminate in Green color when power is on. When LED illuminate in Red color the system is in standby mode.

3. Power: Plug the 5V DC power supply into the unit and connect the adaptor to AC wall outlet.

3.2 Rear Panel

1. Underscan/Overscan: Switch the switcher to select underscan/overscan the pictures.

2. PAL/NTSC: Switch the switcher to select PAL/NTSC output.

3. Composite video output: Connect to video output display.

4. S-Video output: Connect to S-Video output display.

5. HD Bypass: The YPbPr output connector will bypass HD signal as follow input HD signal.
4. Connection and Installation

[Diagram showing a DVD player connected to a switcher and then to an NTSC/PAL TV]

5. Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input ports</td>
<td>1 x Component (Y/Pb/Pr)</td>
</tr>
<tr>
<td>Output ports</td>
<td>1 x Component bypass (Y/Pb/Pr), 1 x Composite, 1 x S-video</td>
</tr>
<tr>
<td>Switcher</td>
<td>1 x Underscan/Overscan, 1 x PAL/NTSC</td>
</tr>
<tr>
<td>Power Supply</td>
<td>5V/2A DC (US/EU standards, CE/FCC/UL certified)</td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>105(W) x 102(D) x 25(H)</td>
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<tr>
<td>Weight (g)</td>
<td>230</td>
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<tr>
<td>Chassis Material</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Silk Skin Color</td>
<td>Silver</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>Operating from 0°C ~ 40°C</td>
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</tbody>
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