



Introduction

This is a new 4K vertical screen signal conversion processor. It adopts unique embedded structure design and can be connected to 4 HDMI inputs and a 4K60 HDMI with 3.5mm audio out with resolution scaling. The processing process is completely hardware and does not require computer software to control it. Simply press push-button for rotating, scaling and switching.

This 4K switcher&Scaler&rotator uses cutting-edge processing techniques such as motion detection and compensation, interpolation, edge smoothing and clutter suppression. It supports direct rotating of any of the 4 HDMI inputs to 90/180/270 degrees, the 4 HDMI inputs resolution up to 4K30 or 4K60(HDMI IN3), the HDMI output can up to 4K60, this rotator also can support the RS232 control, IR remote and the front push buttons.

Features

- Support up to 4K inputs and 4K60 output
- Supports front panel push-button, IR remote and RS-232 control
- Supports the 3.5mm audio de-embedded
- Pure hardware structure, plug and play, no need to set up, easy to operate.
- Support 90/180/270 degree image rotation
- Low power consumption

Specification

Input	1 x HDMI2.0(4K60); 3 x HDMI1.4(4K30)
Input resolution	<ul style="list-style-type: none"> • HDMI2.0: 640x480⁸, 800x600⁸, 1024x768⁸, 1280x768⁸, 1280x800⁸, 1280x1024⁸, 1360x768⁸, 1366x768⁸, 1440x900⁸, 1400x1050⁸, 1600x1200⁸, 1680x1050⁸, 1920x1200⁸, 720x480⁸ (480p), 720x576⁶ (576p), 1280x720⁵ (720p30), 1280x720⁶ (720p50), 1280x720⁸ (720p60), 1920x1080² (1080p24), 1920x1080³ (1080p25), 1920x1080⁵ (1080p30), 1920x1080⁶ (1080p50), 1920x1080⁸ (1080p60), 3840x2160⁵(2160p30),3840x2160⁶ (2160p50), 3840x2160⁸ (2160p60) • HDMI1.4: 640x480⁸, 800x600⁸, 1024x768⁸, 1280x768⁸, 1280x800⁸, 1280x1024⁸, 1360x768⁸, 1366x768⁸, 1440x900⁸, 1400x1050⁸, 1600x1200⁸, 1680x1050⁸, 1920x1200⁸, 720x480⁸ (480p), 720x576⁶ (576p), 1280x720⁵ (720p30), 1280x720⁶ (720p50), 1280x720⁸ (720p60), 1920x1080² (1080p24), 1920x1080³ (1080p25), 1920x1080⁵ (1080p30), 1920x1080⁶ (1080p50), 1920x1080⁸ (1080p60), 3840x2160⁵(2160p30) <p>1 = 23.98 Hz, 2 = 24 Hz, 3 = 25 Hz, 4 = 29.97 Hz, 5 = 30 Hz, 6 = 50 Hz, 7 = 59.94 Hz, 8 = 60 Hz, 9 = 75 Hz</p>
Output	1 x HDMI2.0
Output resolution	<p>HDMI2.0: 1920x1080⁶ (1080p50), 1920x1080⁸ (1080p60), 3840x2160⁵ (2160p30) , 3840x2160⁶ (2160p50) , 3840x2160⁸ (2160p60)</p> <p>1 = 23.98 Hz, 2 = 24 Hz, 3 = 25 Hz, 4 = 29.97 Hz, 5 = 30 Hz, 6 = 50 Hz, 7 = 59.94 Hz, 8 = 60 Hz, 9 = 75 Hz</p>
Audio	

Input	4 x HDMI
Input audio signal	RAW PCM, 16 bit, 32/44.1/48KHz sps; PCM 2.0
Output	1 x HDMI2.0;1 x Analog Audio
Output audio signal	RAW PCM, 16 bit, 32/44.1/48KHz sps; PCM 2.0
Control method	
Front panel button	IN1: Switch to Input 1 IN2: Switch to Input 2 IN3: Switch to Input 3 IN4: Switch to Input 4 RES: Set up the output resolution switching to 720P, 1080P, 4K30, 4K60 ROTATE: To rotate the HDMI output to 90/180/270 degrees
IR	Can realize all the functions of the button, also support fast switching
RS232	The interface is a 3pin phoenix segment, which support third-party control
General parameters	
Operating temperature	0 to +45°C (32 to + 113 °F)
Storage temperature	-20 to +70°C (-4 to + 158 °F)
Relative humidity	10% to 90%
Static Protection	Human body discharge mode:±8kV (Air gap discharge)/ ±4kV (Contact discharge)
Power supply	12 V 1.5 A DC
Power consumption	10W(Max)
Measure	223X27X97(mm)
Net weight	0.8kg

Connection diagram:

