Data Sheet

iMX3-TG-44-HDMI

HDMI 4x4 Matrix Switcher With Audio De-embedding

iMX3-TG-44-HDMI high-performance HDMI Matrix Switcher can switch any of these four HDMI 2.0 sources to four HDMI 2.0 displays. Each input and output support up to 4K60 444 resolution and HDCP 2.2. The outputs can be individually scaled for 1080p. De-embedded audio as analog L/R and coaxial is available for both outputs. The ARC function can return display device audio to coaxial port output only. Advanced EDID management is supported. With its 18Gbps bandwidth and the additional features with latest HDMI standards. This switcher can be controlled from the front panel, RS-232, IR remote, or TCP/IP.

√ Features

- Four HDMI 2.0 video inputs
- Four HDMI 2.0 video outputs
- HDMI 2.0, HDCP 2.2 compliant
- Video Bandwidth 18Gbps support 4K60 444
- Support 4K to 1080P downscaling
- De-embedded audio to analog and Coaxial outputs
- Advanced EDID management
- Built-in Web GUI for TCP/IP control

√ Technical Specifications

VIDEO	
Video Bandwidth	594MHz / 18Gbps
HDCP Compliant	HDCP 2.2 / 1.4
Video Resolution	4K2K 50/60Hz 4:4:4, 4K2K 50/60Hz 4:2:0,4K2K 30Hz 4:4:4,1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats, All PC resolutions including 1920 x 1200
Output Scaling	4K to 1080p
Color Space	RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr 4:2:0
Color Depth	8-bit, 10-bit, 12-bit [1080P, 4K30Hz, 4K60Hz (YCbCr 4:2:0)], 8-bit [4K60Hz (YCbCr 4:4:4)]
HDR Support	HDR10, HDR10+. Dolby Vision, HLG
AUDIO	
HDMI Audio Formats	PCM2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Coaxial Audio Formats	PCM2.0, Dolby Digital / Plus, DTS 2.0/5.1
L/R Audio Formats	PCM2.0CH

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CONNECTORS	
Input	4 x HDMI Type A [19-pin female]
Output	4 x HDMI Type A [19-pin female] 4 x L/R audio out [3.5mm Stereo Mini-jack] 4 x COAX audio out [RCA]
Control ports	1x TCP/IP [RJ45] 1x RS-232[3-pin phoenix connector] 1x IR EXT [3.5mm Stereo Mini-jack]
MECHANICAL	
Dimensions (WxDxH mm)	220mm x 105mm x 44mm
Weight	792g
Chassis Material	Metal
POWER	
Power Supply	Input: AC100~240V 50/60Hz Output: DC12V/2.5A (Locking connector)
Power Consumption	10W (Max), 1.56W (Standby)

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