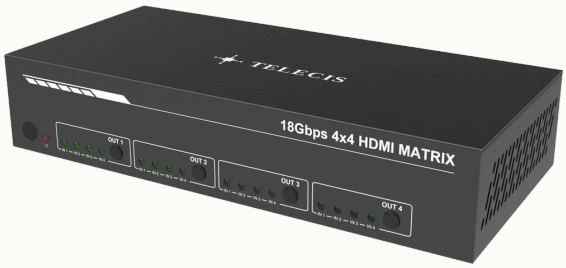
PRODUCTS › MATRICES

TC-PMX-0404

4x4 HDMI Matrix

Any of four HDMI sources to any of four displays, with the audio at every output



4 × HDMI	4K60 4:4:4	Per output	21
outputs · any of four sources on each	HDMI 2.0 · 18 Gbps · HDCP 2.2	analogue L/R and coaxial audio · ARC to coaxial	built-in EDIDs · 4 copy modes · 2 user EDIDs

TC-PMX-0404 routes any of four HDMI sources to any of four displays at up to 4K @ 50/60 Hz 4:4:4, over HDMI 2.0 at 18 Gbps with HDCP 2.2 and 1.4. Each output downscales 4K to 1080p on its own, so one 4K source can feed a 4K display and an HD display at the same time. HDR10, HDR10+, Dolby Vision and HLG pass through; colour depth reaches 12-bit at 1080p, 4K30 and 4K60 4:2:0, and is 8-bit at 4K60 4:4:4.

Every HDMI output has its audio de-embedded to an analogue L/R output (3.5 mm) and a coaxial output (RCA). With ARC on, the display's audio returns to the coaxial outputs and the L/R output is muted. The HDMI outputs carry PCM up to 7.1, Dolby TrueHD, DTS-HD Master Audio and DSD. Twenty-one built-in EDIDs, four copy-from-output modes and two user EDIDs set what each input reports. Control is from the front-panel buttons, the IR remote, RS-232 on a 3-pin terminal, or TCP/IP with a built-in web GUI, which also manages CEC. The matrix runs from a 12 V / 2.5 A locking adapter, draws 10 W at most and measures 220 × 105 × 44 mm.



SIGNAL PATH · ANY SOURCE TO ANY DISPLAY, EACH OUTPUT SCALED ON ITS OWN; AUDIO AT EVERY OUTPUT

01 VIDEO

Signal standard	HDMI 2.0 (DVI 1.0 compatible)
HDCP	HDCP 2.2 and 1.4
Maximum resolution	Up to 4K 50/60 Hz, 4:4:4
Resolution notes	Also 4K 50/60 Hz 4:2:0 and 4K 30 Hz 4:4:4; 1080p/i, 720p/i, 480p/i; all HDMI 3D formats; all PC resolutions including 1920 × 1200
Scaling	Each output downscales 4K → 1080p independently
Bandwidth	18 Gbps
Colour space	RGB · YCbCr 4:4:4 / 4:2:2 / 4:2:0
Colour depth	8/10/12-bit at 1080p, 4K30 and 4K60 4:2:0 · 8-bit at 4K60 4:4:4
HDR	HDR10, HDR10+, Dolby Vision, HLG
CEC	CEC management in the web GUI: sources and displays (power, volume, active source)

02 AUDIO

HDMI audio formats	PCM 2.0/5.1/7.1, Dolby Digital/Plus/EX, Dolby TrueHD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Audio de-embedding	Per output — analogue L/R (3.5 mm) and coaxial (RCA)
Audio return	ARC — display audio returned to the coaxial outputs only; with ARC on, the L/R output is muted
Other audio formats	Coaxial: PCM 2.0, Dolby Digital / Plus, DTS 2.0/5.1 · Analogue L/R: PCM 2.0

03 TRANSPORT & DISTANCE

Passive cable reach	HDMI in/out: 3 m at 4K60 · 10 m at 4K30 · 15 m at 1080p60 · Premium High Speed HDMI cable recommended

04 CONNECTIVITY

Inputs	4 × HDMI (Type A)
Outputs	4 × HDMI · 4 × analogue L/R (3.5 mm) · 4 × coaxial audio (RCA)
Network ports	1 × RJ45 (TCP/IP control and web GUI)
Control ports	RS-232 (3-pin Phoenix) · IR EXT (3.5 mm)
Other ports	Earth screw (GND)

05 CONTROL

Control methods	Front panel, IR remote, RS-232, TCP/IP, web GUI
EDID management	21 built-in EDIDs, 4 copy-from-output modes and 2 user EDIDs, set per input in the web GUI or by command (RS-232, TCP/IP) · user EDIDs uploaded as .bin files in the web GUI

06 ELECTRICAL & PHYSICAL

Power supply	12 V DC, 2.5 A, locking connector (100–240 V AC adapter)
Power consumption	10 W max · 1.56 W standby
Dimensions (W × D × H)	220 × 105 × 44 mm
Weight	792 g
Housing	Metal, black
Operating temperature	0 to 40 °C
Storage temperature	−20 to 60 °C
Humidity	20–90 % RH, non-condensing
ESD protection	±8 kV air · ±4 kV contact (human-body model)

07 COMPLIANCE & ASSURANCE

Certification statement	Designed for global compliance — CE, FCC, RoHS, and regional certifications, as applicable.
Warranty	3 years

08 IN THE BOX

In the box	Matrix · 12 V / 2.5 A locking power adapter · IR remote · 38 kHz IR receiver cable (1.5 m) · 3-pin 3.81 mm Phoenix connector · 2 mounting ears · 4 screws

09 ORDERING

Order code	**TC-PMX-0404**

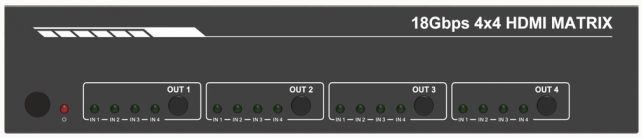
PRODUCT PAGE

telecis.com/products/matrices/tc-pmx-0404/

VIEWS



REAR

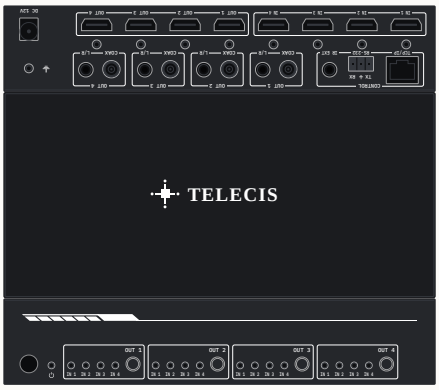


FRONT PANEL



REAR PANEL

DRAWING



MATRIX

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signal · engineered.