TC-IPC

JPEG2000 AV over IP Control Box

Builds and runs the JPEG2000 system, video kept apart from control



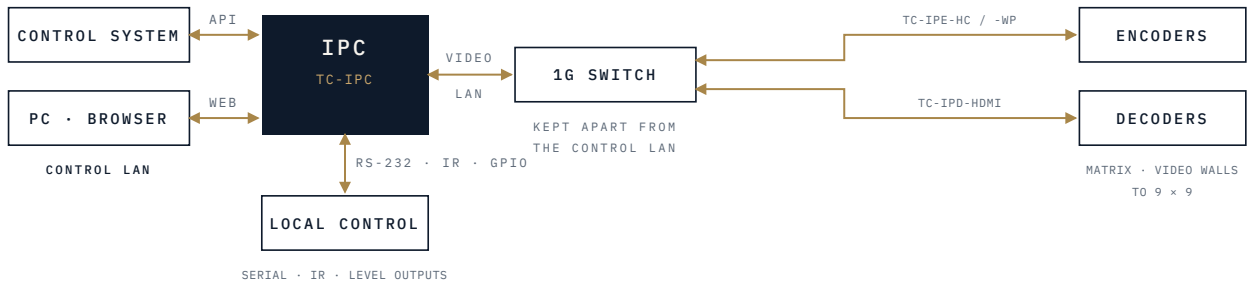
2 × 1G	9 × 9	API	PoE
control LAN and video LAN, kept apart	walls from 1 × 2 · up to nine walls	for third-party control · also RS-232 and IR	on the video LAN, or a 12 V adapter · 1.8 W max

TC-IPC sets up and runs a TELECIS JPEG2000 AV-over-IP system: it finds the encoders and decoders, adds them to the system, and routes video, audio, USB, RS-232 and IR between them from a drag-and-drop web GUI. Matrix routing, video walls and the Dante devices in the system are managed in one place.

Two 1G ports keep the control network apart from the multicast video network; the controller bridges commands from the control LAN to the encoders and decoders on the video LAN. Third-party control systems drive it with API commands over TCP, or over RS-232.

01 KEY CAPABILITIES

- Creates the project, then controls and manages video, audio, RS-232, IR and USB across the system
- Finds the encoders and decoders on the network and adds them, all at once or one by one — up to 1,000 in one system
- Up to 20 keyboard hotkey sets for switching at the decoders
- User accounts, each limited to the encoders and decoders it is given
- Keeps the control network apart from the multicast video network: two 1G ports
- Video walls: up to 9, each from 1 × 2 to 9 × 9, with up to 9 saved presets
- Dante routing, device settings and clock status for the Dante devices in the system
- API commands for third-party control systems



SIGNAL PATH · CONTROL ON ONE NETWORK, VIDEO ON THE OTHER; THE CONTROLLER BRIDGES THEM

02 TRANSPORT & DISTANCE

Network	100M / 1G · two isolated networks (control LAN and video LAN)
Transmission distance	100 m over CAT5e/6/6A/7
Power over the link	PoE on the video LAN port (no 12 V supply needed when PoE is used)

03 CONNECTIVITY

Network ports	2 × 1G RJ45 — control LAN, and video LAN with PoE
Control ports	2 × RS-232 (3-pin 3.81 mm) · IR in (12 V) and IR out, both 3.5 mm · digital I/O (6-pin 3.81 mm) · micro-USB update

04 CONTROL

Control methods	Web GUI (drag and drop), TCP, RS-232, IR, GPIO · third-party control systems
Relays / GPIO	4-channel GPIO level outputs, 5 V / 12 V selectable · auxiliary power output to 12 V / 0.5 A
Security	HTTPS, SSH, SFTP

05 ELECTRICAL & PHYSICAL

Power supply	12 V DC, 1 A locking adapter — or PoE
Power consumption	1.8 W max
Dimensions (W × D × H)	204 × 98.5 × 21.5 mm
Weight	508 g
Housing	Metal, black
Operating temperature	0 to 40 °C
Storage temperature	−20 to 60 °C
Humidity	Operating 20–80 % · storage 10–90 % RH, non-condensing
ESD protection	±8 kV air · ±4 kV contact (IEC 61000-4-2)

06 COMPLIANCE & ASSURANCE

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

07 IN THE BOX

In the box	Controller · 12 V IR receiver cable (20–60 kHz, 1.5 m) · IR blaster cable (1.5 m) · 2 × 3-pin + 1 × 6-pin 3.81 mm Phoenix · 2 mounting ears · 4 screws · 12 V / 1 A locking adapter

08 ORDERING

Order code	**TC-IPC**

PRODUCT PAGE

telecis.com/products/av-over-ip/tc-ipc/

VIEWS

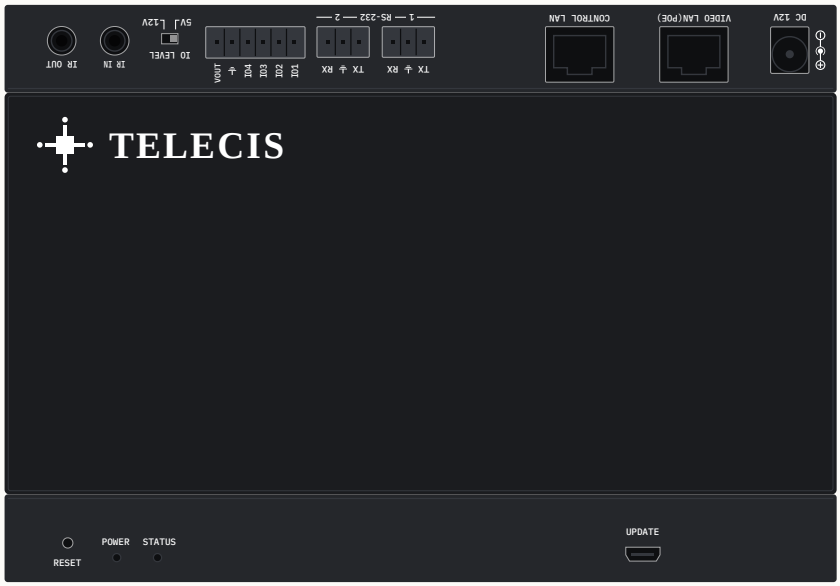


REAR



FRONT AND REAR PANELS

DRAWING



CONTROLLER

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signal · engineered.