

Kico 12V 20A

The datasheet for the **Kico 12V 20A** (18-Channel CCTV Power Distribution Box) covers the technical performance, safety ratings, and physical dimensions required for 2026 surveillance standards.

Input Specifications

- **Voltage Range:** Universal AC 85V – 264V.
- **Frequency:** 50/60 Hz.
- **Efficiency:** $\geq 85\%$ at full load.

Output Specifications

- **DC Voltage:** 12V DC.
- **Total Current:** 20 Amps (max).
- **Total Power:** 240 Watts.
- **Channels:** 18 individual outputs.
- **Voltage Adjustment:** Trim potentiometer allows fine-tuning from approximately 10.8V to 13.2V ($\pm 10\%$).
- **Ripple & Noise:** $\leq 110\text{mVp-p}$.

Protection & Safety

- **Channel Protection:** Each channel features an independent **PTC (Resettable) fuse** rated for 1.1A to 1.6A.
- **Safety Features:** Includes short-circuit protection, overload protection (105%–150%), over-voltage protection, and thermal shutdown.
- **Indicators:** 18 individual LED power status lights.
- **Compliance:** Meets standard CE and FCC safety requirements.

Physical & Environmental

- **Enclosure:** Heavy-duty lockable metal box (often gray or white).

- **Dimensions:** Approximately 317mm x 220mm x 63mm.
- **Cooling:** Natural convection via vented aluminum base.
- **Operating Temp:** -20°C to 60°C (-4°F to 140°F).
- **Storage Temp:** -40°C to 85°C.