

NX-VB08

8MP Passive Video Balun

*Extended-range HD video transmission over Cat5/Cat6
— up to 800m with multi-format compatibility*



The Nexakey NX-VB08 is a passive video balun engineered for ultra-high-definition 8MP video transmission over standard Cat5/Cat6 UTP cables. Supporting HD-CVI, HD-TVI, AHD, and analog CCTV formats, it extends surveillance camera signals up to 800 meters while maintaining signal integrity. Its anti-interference technology, surge protection, and Power Over Coax (PoC) support make it ideal for both residential and commercial large-scale installations.

KEY FEATURES

- ✓ **8MP Ultra-HD Resolution** — supports 4K video transmission with exceptional clarity and detail retention
- ✓ **Multi-Format Compatibility** — works with HD-CVI, HD-TVI, AHD, and analog CCTV systems — no format lock-in
- ✓ **800-Meter Transmission Range** — extends video signals over Cat5/Cat6 UTP cables for large properties and campuses
- ✓ **Anti-Interference Technology** — advanced noise reduction maintains stable video quality in electrically noisy environments
- ✓ **Power Over Coax (PoC) Support** — transmits power and video over single cable — simplifies wiring and reduces installation cost
- ✓ **Surge Protection & ESD Shield** — built-in protection against voltage spikes and electrostatic discharge for long-term reliability

APPLICATIONS

- Large-Scale CCTV Installations
- Commercial Buildings & Office Complexes
- Industrial Facilities & Warehouses
- Educational Institutions & Campuses
- Residential Communities & Estates
- Retrofit Installations (Reusing Existing UTP Cabling)

TECHNICAL SPECIFICATIONS

Model	NX-VB08	Video Balun Type	Passive
Max Resolution	8MP (3840×2160 @ 15fps)	Supported Formats	HD-CVI, HD-TVI, AHD, Analog CVBS
Transmission Medium	Cat5 / Cat6 UTP Cable	Max Distance (8MP)	Up to 800 meters
Video Connectors	BNC Male (Camera Side), RJ45 Female (Cable Side)	Power Over Coax (PoC)	Supported
Anti-Interference	Advanced Noise Reduction	Surge Protection	Built-In ESD Protection
Operating Temperature	-20°C ~ +70°C	Housing Material	High-Impact ABS Plastic
Installation	Plug-and-Play, No Power Required	Country of Origin	China
Certifications	CE, FCC, RoHS	Warranty	24 Months

CERTIFICATIONS



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