DTK-iBNCHD

HD-SDI Coaxial Line Surge Protector
General Product Specifications

DITEK's iBNCHD inline surge protective device is designed to protect externally-mounted cameras where a dedicated ground connection is not available. The iBNCHD diverts transient surges through the coaxial shielding, protecting the video feed without introducing ground loops. Solid performance and easy installation make the iBNCHD a favorite of HDCCTV integrators. Install one at the camera and an additional unit at the head end equipment to protect both ends of the video feed.

DTK-iBNCHD

Application Features

- Protects externally mounted HDCCTV cameras' video feeds
- Also protects head end equipment
- Small footprint makes installation easy
- Fits inside most camera housings
- Recommended for applications where AC power is already protected.
- Ten Year Limited Warranty

	DTK-iBNCHD
Service Voltage	±1V peak-peak
Impedance	75 Ohms
Voltage Clamping	4.2VDC
Peak Surge Current	10,000 A

Transmission Distance Expectations

- When using RG59 coax cable with a center conductor size of 20AWG or larger, allow for a maximum transmission distance between camera and head end of 140 meters, this includes patch cords.
- When using RG59 coax cable where the center conductor size is smaller than 20AWG, allow for a maximum transmission distance between camera and head end of 85 meters, this includes patch cords.
- For best protection of the camera and head end equipment, install a DTK-iBNCHD unit at both ends.
- Use 3' BNC to BNC factory terminated patch cords for all connections between the DTK-iBNCHD and the protected equipment.

Specifications

- **Connection Method:** HD-BNC Female In/Out
- **Protection Type:** Digital Video
- **Service Voltage:** -1V to 1V
- **Voltage Clamping:** 4.2VDC
- **Peak Surge Current:** 10,000 Amps (8/20 µsec impulse)
- **Coaxial Band Pass Range:** 1.5 GHz Max.
- **Insertion Loss:** <0.4dB @ 1 GHz
- **Impedance:** 75 Ohms
- **Protection Modes:** Center Pin – Shield
- **Dimensions:** 3.6" H x 1.1" Diameter (91mm x 28mm)
- **Weight:** 2.5oz (71g)
- **Housing:** Aluminum

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Document: SPS-100078-001 Rev 1 10/12