



## FL-BNC

### Video Signal Surge Protector

- Support 1 coaxial cable BNC video signal input and output, and provide 5kA surge protection
- Adopt multilevel protective circuit with quick response and low residual voltage output
- Response time is less than 10ns
- Applicable rate 10Mbps
- Metal housing, great sealing, and resistant to dust and corrosion



## Introduction

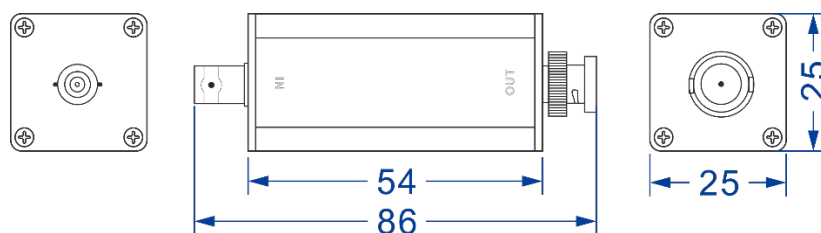
FL-BNC video signal surge protector is designed by IEC61000-4-5 and ITU-TK20&K21 standard. It adopts multilevel protective circuit, gas discharge tube and semiconductor discharge tube etc. which has quick response, low residual voltage output and excellent transmission performance. It adopts standard BNC as its interface which is easy to use and suit for all video signals lightning protection in coaxial cable transmission.

FL-BNC signal lightning protector is designed and manufactured on the principle of discharge, limited current, clamping, stabilivolt. When signal wire gets an overvoltage and overcurrent shock, it will put lightning power or its jamming signal into the ground. Overvoltage restriction enables electrical equipment to operate safely within allowable range.

This product adopts metal housing and good sealing, which has anti-dust and anti-corrosion function. It is connected and installed between protected device and coaxial feeder in series that can restrain high voltage pulse on the wire to prevent backend device from being damaged by lightning and industrial surge. It can be widely used in coaxial transmission devices like hard disk recorder, video monitoring device, thinnet and thicknet network line of trunk between buildings, CATV, public television, satellite television receiver and VOD (video-on- demand) system etc. to avoid overcurrent damage like induction lightning strike, power supply anomaly and electrostatic discharge introduced by system.

## Dimension

Unit:mm



## Specification

<b>Interface</b>	Standard: IEC 61000-4-5, ITU-TK20&K21 Interface quantity: 1 video signal input and output Nominal discharge current $I_n$ : 5kA (8/20 $\mu$ s simulated lightning waveform) Maximum discharge current $I_{max}$ : 10kA (8/20 $\mu$ s simulated lightning
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	waveform) Nominal operating voltage: 5V(other special voltage is customizable) Limited voltage $U_p$ : $\leq 30V$ Applicable rate $f_g(3dB)$ : 10Mbps Insertion loss: $\leq 0.5dB$ Response time: $\leq 10ns$ Interface form: BNC, N(16) Characteristic impedance: $50\Omega$ or $75\Omega$ Rackmount protection line: 9, 12, 16, 24 (optional)
Power Supply / Power Consumption	No
Environmental Limit	Operating temperature: $-20\sim 60^{\circ}C$ Storage temperature: $-25\sim 85^{\circ}C$ Relative humidity: 5% ~ 95% (no condensation)
Physical Characteristic	Housing: metal Dimension (W x H x D): 86mm $\times$ 25mm $\times$ 25mm Weight: 70g
Certification	CE, FCC, RoHS
Warranty	1 year

## Ordering Information

Available Models	BNC (Input)	BNC (Output)	Power Supply
FL-BNC	1	1	No



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