# DT1900
# Video, Data, Ethernet, Power Surge Protectors

## DESCRIPTION

The DT1900 Series are economical; Surge Protector Devices designed to be installed with Dante Security Analog and IP Camera systems. Units are available as Video, RS-485 Data and Power for PTZ cameras; Video and Power for fixed cameras; Ethernet and Power for IP cameras. Features include small form factors and maximum surge suppression to enhance quality of installations. With heavy discharge current, multilevel protection, low residual voltage the DT1900 Series devices are efficient accessories solid and reliable commercial and industrial video surveillance installations.


DT1900EP

## FEATURES

* Small Form Factor, Reliable Surge Suppressors
* DT1900VDP Series for Analog PTZ Cameras
  signals protection - Video, Data and Power
* DT1900VP Series for Analog Fixed Cameras
  signals protection - Video and Power
* DT1900EP Series for IP Cameras
  signals protection - Ethernet and Power
* Heavy Discharge Current
* Multi-level Protection System
* Fast Response to Surge Conditions
* Easy to Install and Maintain
* Economic solution for protection against
  Overvoltage, Electro-Magnetic and Lightning
* Compliance with CE, TUV, ISO14000:2004

## APPLICATIONS

* Homeland Security
* Correctional Centers
* Petrochemical Industry
* Corporate and Banking
* Casinos and Hospitality
* Health Care Centers
* Schools and Universities
* Government and Military
* Power Generating Plants
* Traffic Surveillance (ITS)


DT1900VDP


DT1900VP

## ORDERING INFORMATION

DT1900VP-12V      Video, 12VDC Power Surge Protector
DT1900VP-24V      Video, 24VAC Power Surge Protector
DT1900VDP-12V      Video, RS-422/RS-485 Data, 12VDC Power Surge Protector
DT1900VDP-24V      Video, RS-422/RS-485 Data, 24VAC Power Surge Protector
DT1900EP-12V      Ethernet Data, 12VDC Power Surge Protector
DT1900EP-24V      Ethernet Data, 24VAC Power Surge Protector

## Electrical Parameters

Video Standards:    NTSC/PAL
Video Input/out:    BNC
Data Interface:    RS-422/RS-485
     terminal block
Ethernet Interface:   RJ-45

Power Interface:    Terminal Block

## Environmental Parameters
Operating Temperature:    -40ºC ~ 74ºC
Operating Humidity:    30-90%
## Mechanical Parameters
Dimensions LxWxD:    4.13"(105 mm),
     2.2"(56 mm),
     1.07"(27mm)
Weight:    3.5oz(100g)
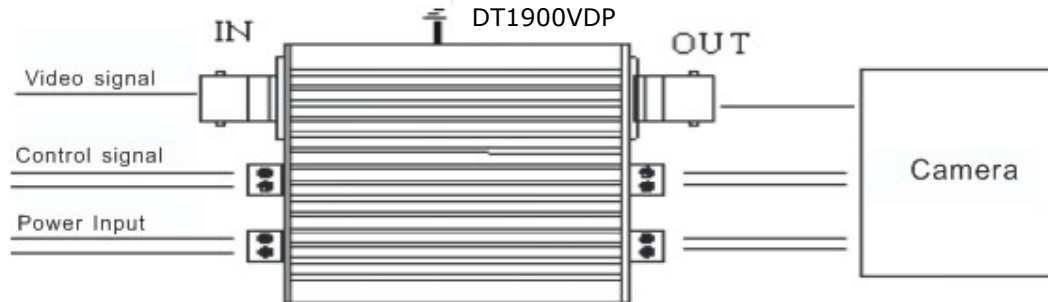**Regulatory Compliance:**    CE, TUV,
     ISO14000:2004

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| Parameters Type | Power | Video | Data |
|---|---|---|---|
| Un | 12V/24V | 5V | 12V/24V |
| Uc | 30V | 8V | 30V |
| $I_{max}$ | 10KA | 5KA | 5KA |
| Vs | ----- | 20Mbps | 2Mbps |
| Z | ----- | 75Ω | ----- |
| $a_E$ | 0.2dB | 0.2dB | 0.2dB |
| $t_A$ | 25ns | 1ns | 1ns |

| DT1900 | | Power Parameters | | |
|---|---|---|---|---|
| Uc | $U_C$ | 220V | | 12V/24V |
| In(8/20) | $I_n$ | 5kA | | |
| Imax(8/20) | $I_{max}$ | 10kA | | |
| Up($I_n$@8/20μs) | $U_p$ | ≤900V | | ≤30V |
| | | Network Parameters | | |
| $U_C$ | $U_C$ | 6V | | |
| $I_n$ (8/20) | $I_n$ | 5kA | | |
| $I_{max}$ (8/20) | $I_{max}$ | 10kA | | |
| $U_p$ ($I_n$) | $U_p$ | ≤24V | | |
| Vs | Vs | 100Mbit/s | | |
| aE | aE | ≤0.2dB | | |

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