

Network Camera Surge Protection Methods

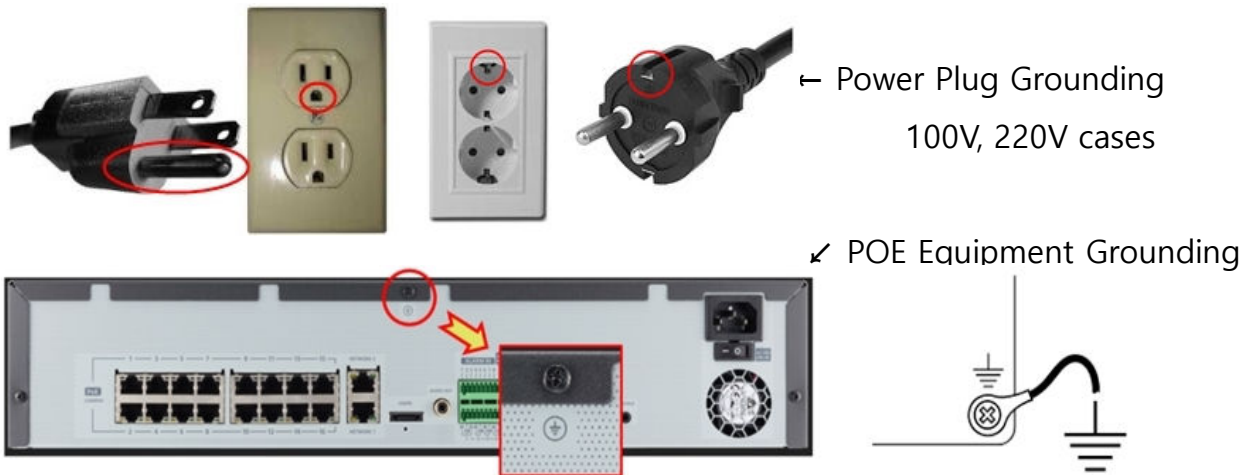
❑ A Guide to Network Camera Surge Protector Installation

Since lightning is frequent in summer, there are frequent POE power and camera failures caused by an electrical surge.

To prevent such a surge, it is necessary to take the following measures including grounding network devices, using STP cables, and installing surge protectors. STP cabling allows a ground path from the camera to the network equipment. Using UTP cabling prevents a ground patch.

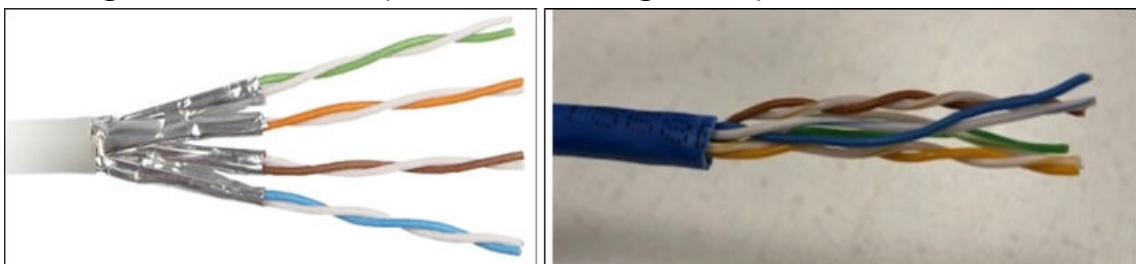
① Grounded Outlet and POE Equipment Grounding

NVRs and network switches should all use grounding power plugs and have the grounding screw attached to an earth ground.



② Using STP cables

STP cabling must be used to provide an earth ground path.



[STP LAN Cable for Surge Protection] [Standard UTP LAN cable without a shield]

③ Using Surge Protectors

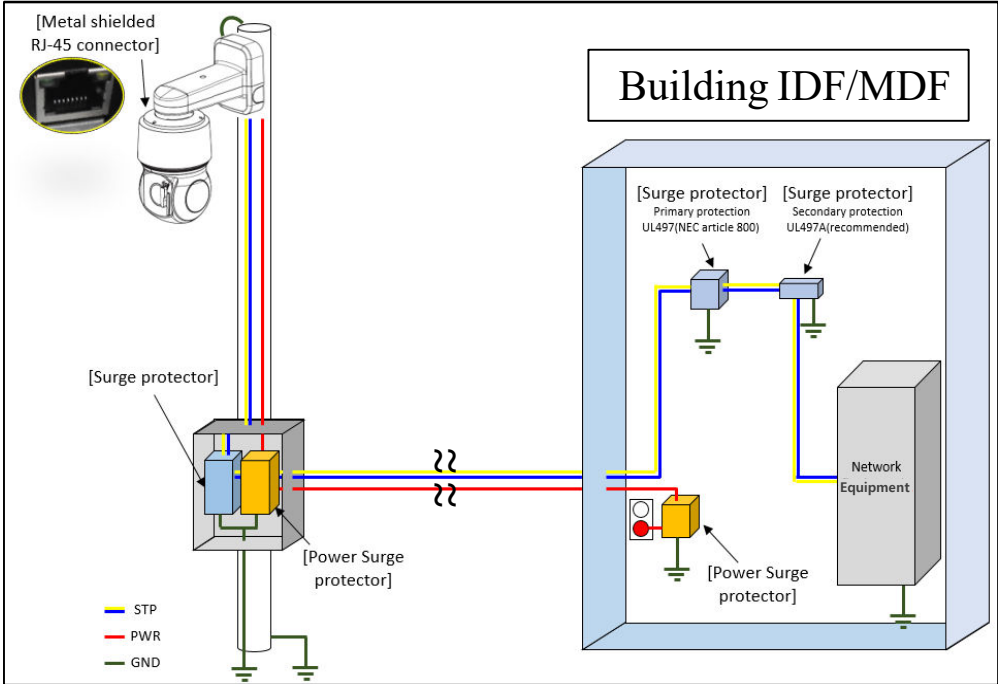
Surge protection should be installed and properly grounded at the camera side and the network equipment side to provide full protection.



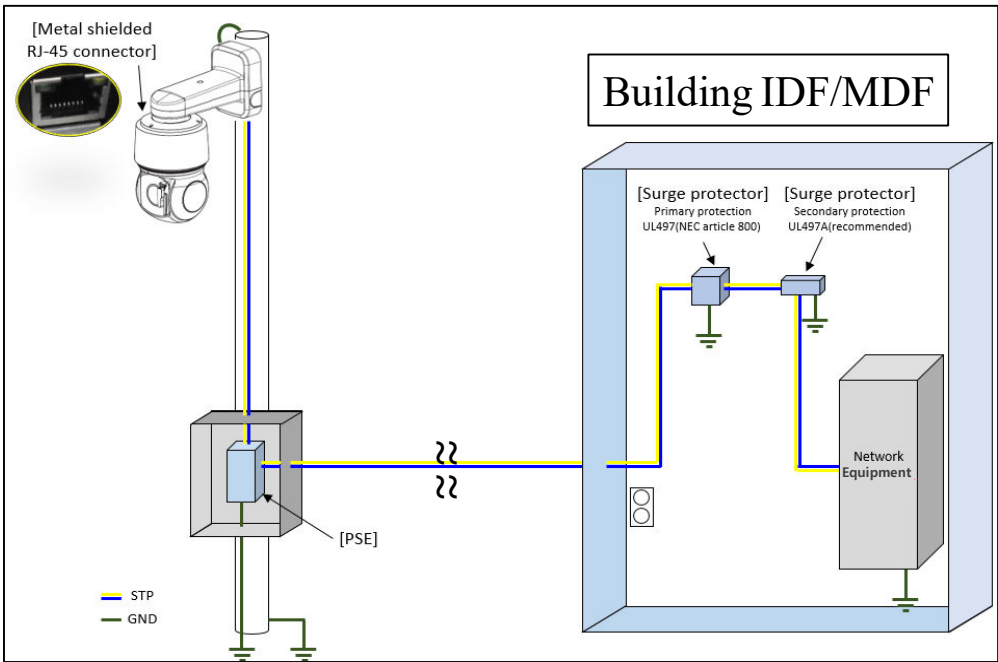
Technical Information

Network Camera Surge Protection Methods

□ Network Camera Surge Protector Installation Cases



<Figure 1. Installation Using DC/AC Power>



<Figure 2. Installation Using POE Power>

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Applicable Network Camera Models as of 9/2020

PNB-A9001
PND-A9081RF
PND-A9081RV
PNM-9002VQ
PNM-9084QZ
PNM-9084RQZ
PNM-9085RQZ
PNO-A9081R
PNV-A9081R
QNV-6023R
QNV-6023R
TNB-9000
XNB-8002
XNB-9002
XND-6081REV
XND-8081REV
XND-8082RF
XND-8082RV
XND-9082RF
XND-9082RV
XNO-8082R
XNO-9082R
XNP-6400RW
XNP-8300RW
XNP-9300RW
XNV-6081RE
XNV-8081RE
XNV-8082R
XNV-9082R
XNZ-L6320