PoE: Powering surveillance systems

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Surveillance systems have been transformed, with IP-based cameras adding intelligence, improved quality, and reducing cost. Plus, as data is encrypted, there is no need for additional encoders and decoders. But these systems depend on getting power to cameras, often in tricky locations. This is why Power over Ethernet (PoE) is fast becoming the technology of choice for surveillance.

2-in-1 power and data

PoE uses the same copper cable in a data network, so there is no need for extra AC/DC power cables and converters, or for a qualified electrician. Power can be delivered where wanted, while minimizing additional expense, disruption and complexity. Energy usage and bills can be controlled more efficiently too.

React in real-time

Automatically detect motion, zoom in on an event, know when something disappears from the picture. Connect to other systems to instantly set off an alarm.

Protect better - for less

Cover a bigger area with fewer cameras, without any compromise on quality. PoE can also support 8 Megapixels, 4K resolution and extreme zoom. PoE supports smart features like people-counting, colour-tracking, and smoke-detection.

Overcome location challenges

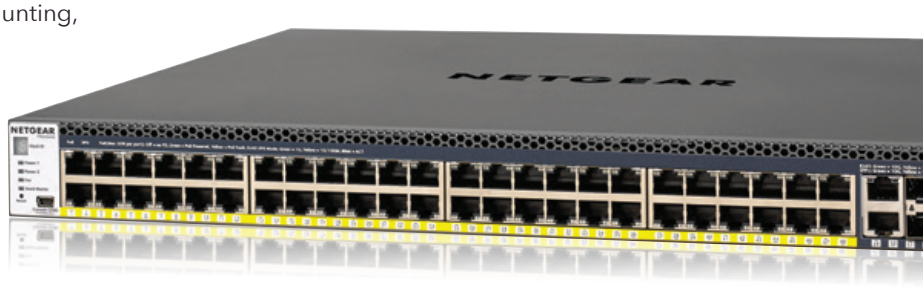
Deliver power to cameras in tricky locations, inside or out, up to 100M, without additional AC/DC electrics. With PoE, cameras can be installed on high walls, ceilings and other places where adding power cables would be difficult or impossible.

Centralized, efficient power control

Manage multiple cameras back at base, from one centralised PoE switch. Collect recordings and data from cameras for analysis. Built-in Redundant Power Supply (RPS) supports business continuity.

Better investment

By minimising extra energy investment and use, surveillance return-on-investment is improved: no need to cut corners when purchasing protection.



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Why PoE for surveillance

- One cable for power & data
- No need for extra AC/DC
- Reduced cost and disruption
- Easy and fast extra power
- Controlled energy efficiency
- Centralised power management
- Power to challenging locations
- Qualified electrician unnecessary

NETGEAR & PoE

- Widest PoE range on the market
- Standard PoE support
- Easy cloud network management
- Fuss-free plug-and-play installation
- Fast-response support if needed
- Flexible choice to suit all budgets
- Smart features like PoE scheduling
- Advanced control per port

Power Is No Problem

From 19W to 1440W, from 100Mpbs to 10Gbps, NETGEAR has a PoE-enabled network switch or access point to power today's clever surveillance systems. All PoE standards are supported including PoE++, which is perfect for more power-hungry situations, such as high-definition video.

Wide PoE choice

With the biggest range of PoE switches on the market today, NETGEAR has cost-effective, flexible, and easy-to-use PoE products that deliver power to all kinds of security and surveillance systems.

NETGEAR offers a choice of both unmanaged switches - with minimal set-up required – as well as the flexibility of managed switches, which are easier to reconfigure or add to later.

Flexible power budget

Not sure how much power is going to be needed in the near future? No problem: with NETGEAR FlexPoE, purchase a lower-powered switch and then upgrade the power budget when needed, without having to replace the switch.

Network management simplified

With Insight Cloud, manage a whole PoE network, even remotely. Monitor usage, adjust control per port, trouble-shoot or change configurations: all from a laptop or smartphone.

PoE made easy

Like all NETGEAR products, the PoE range is designed for fuss-free installation and management that requires minimal expertise. But if needed, training and technical support are always on hand, locally and globally.

Know-how to trust

As well as the biggest range of PoE switches on the market today, an extensive R&D knowledge of PoE is backed by 40 years of network technology experience. NETGEAR is also a founding member of the Ethernet Alliance.