



NVT's IP migration solution protects Atlanta mixed use property

The Mission

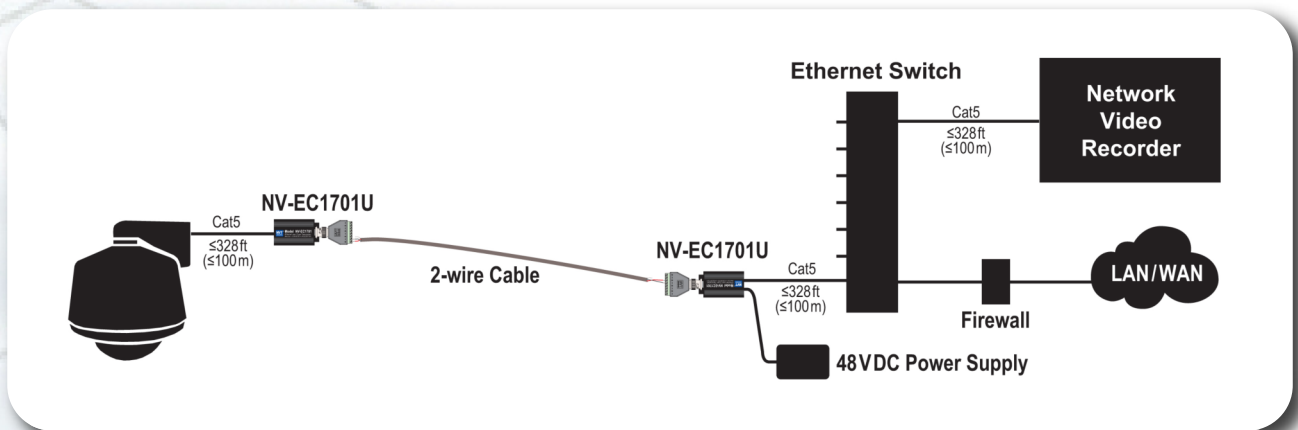
TWELVE in Atlantic Station is Atlanta's premier live-work-play condo community. Its 26-stories of stunning architecture and luxury condominium residences are built atop a stylish boutique hotel and located in the heart of 'In town' Atlanta.

The complex has over 80 cameras, covering the campus and additional areas, such as sport recreation, underground car park, retail stores and building perimeter. To meet today's higher resolution standards, the original 2005 installed analogue cameras were replaced with new IP-based equipment.

The Solution

Although IP surveillance system migration was necessary, cable distances far exceeded the 803.2 Ethernet standard, making it difficult and economically impractical to install new cable. Fortunately, existing runs of Coleman 16/2 24VAC cabling up to 365m (1,200ft) were in very good condition.

With those factors in mind, Blane Segura of Northwest Electrical Integration (NEI), conducted a technology review of available application options. He concluded that NVT was the only technology capable of leveraging just one pair of existing cable to power the new 12 watt PoE cameras. During this process, Todd Dunham of CSC / Atlanta, successfully demonstrated the NVT Ethernet over 2-wire (Eo2™) technology's performance, on-site at Atlanta Station. The NVT Eo2 easily transmitted IP data and camera PoE over the extended distances.



The Result

No additional costs were incurred by Atlanta Station to replace or add to the existing network cabling, nor was there any need to provide new IDF closets or use Ethernet cable extenders to support the required transmission distances.

In selecting the NVT Eo2 Ethernet solution, NEI Inc. was able to deploy a flawlessly installed, cost-effective, state-of-the-art surveillance upgrade, using existing cable at extended distances – with no disruption to retail or residential customers.





Product Footnote

NVT's Eo2 Ethernet over 2-Wire product is also capable of using all 4-pairs of a UTP cable, extending power and data distances up to 610m (2,000ft), or 396m (1,300ft) on shielded twisted-pair. NVT supports traditional coax based analogue camera-to-IP migrations with the EoC Ethernet over Coax product. It works with legacy or new coax cable, with data and PoE power at RG-59 distances up to 2,438m (8,000ft).



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