

CASE STUDY

ON

WIRELESS CCTV SYSTEM SETUP

PREPARED BY

INTSYS TECHNOLOGIES

SUMMARY

As security camera technologies continue to evolve, there are new solutions for those who were not able to utilize the system previously. Wireless security cameras are of great advantages for those that need to go without wires for easier placement. The main reason customers choose wireless security cameras over other types of technology is due to the camera system's flexibility.

This Case Study introduces the advantages of why a company should consider a wireless surveillance system network.



WHY CHOOSE WIRELESS?

The major benefits of choosing a wireless surveillance system network are that:

- Wireless surveillance cameras take less time to install compared to the traditional hardwired surveillance cameras.
- A lot of time is saved, which would have gone in digging, drilling and installing the cables for a hardwired surveillance system.
- Because of these trailing cables, wired security cameras cannot be easily moved or re-positioned after they have been installed.
- In this aspect, wireless security cameras are better than traditional hardwired surveillance cameras, as these can be re-positioned without any hassle, even after the installation.
- These wireless cameras can connect to the customer's already existing wi-fi network aswell.

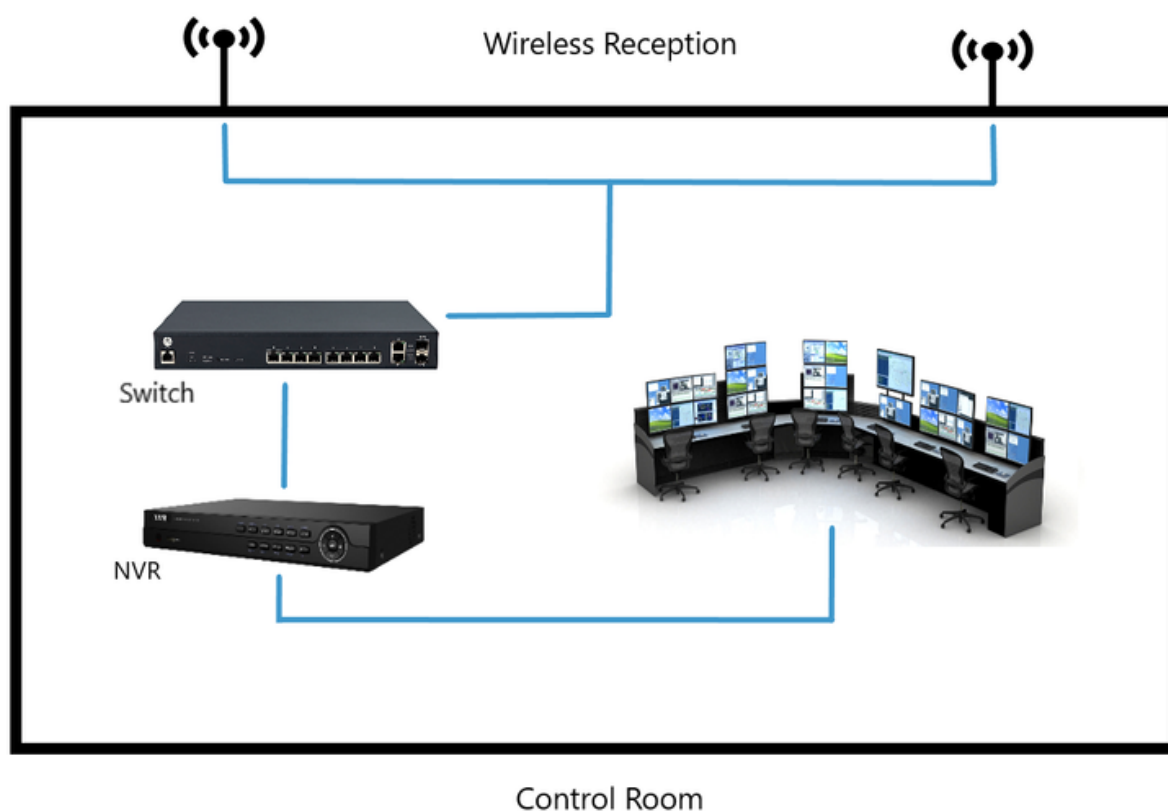
SYSTEM ARCHITECTURE



CCTV Camera set-up
with wireless transmitter



CCTV Camera set-up
with wireless transmitter



PRODUCT FEATURES

- Each of the wireless links across the site operate at data transmissions rate of maximum 100 Mbps which accommodates a high level of picture quality.
- All cameras can be accessed quickly and easily from any computer in the network. Large Screens in the CMS Room displays live images 24 hours a day.
- All covered areas are monitored, and in the unlikely event of a theft or intruder, any authorized person can rely upon the wireless cameras to provide clear, high resolution images.
- The major benefits of such a system being greater operator efficiency with real time operation and data exchange across the site eliminating data islands hence providing significant economic returns on the investment in terms of the systems functionality by eliminating miles of cable.
- Apart from all the benefits of a wireless system, there can be scenarios where a wired system should be preferred, than a wireless one. These includes places where there is no clear line of sight or regions which experience heavy rains, etc
- If the height of the camera installed is above 5 to 10 Meters, there will be a requirement of a Man Reach Truck or Cherry Picker, which can add up to the cost .

CONCLUSION

While the CCTVs were used for prevention of thefts and break-ins, with advancements in technologies, we can now integrate the CCTV System with various functionalities such as Fire Alarm, Packet Tracking, People Access System, etc.

Apart from this we also have various video analytics available:

- Motion Detection
- Line Crossing
- Intrusion detection
- Object Abandoned
- Object Missing
- Crossing the fence
- Reverse Direction Detection
- etc

To know more about the various solutions we offer, contact us via the details mentioned on the next page.

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