Cesit Ingegneria S.P.A.
www.cesit.net

Special Systems

CCTV

Closed circuit television systems are used to film and record any type of place and event. They constitute an excellent security solution that is increasingly adopted by public authorities and private companies for enhanced control of sensitive areas and the security of personnel and property. The stored images provide a faithful account of events and are an invaluable record for legal and other purposes.

The video monitoring industry has not escaped the gradual shift towards digital technology. This metamorphosis, combined with the availability of management software, has made it possible to integrate video monitoring systems with other systems for the protection of people and property (anti-intrusion, access control, building automation).

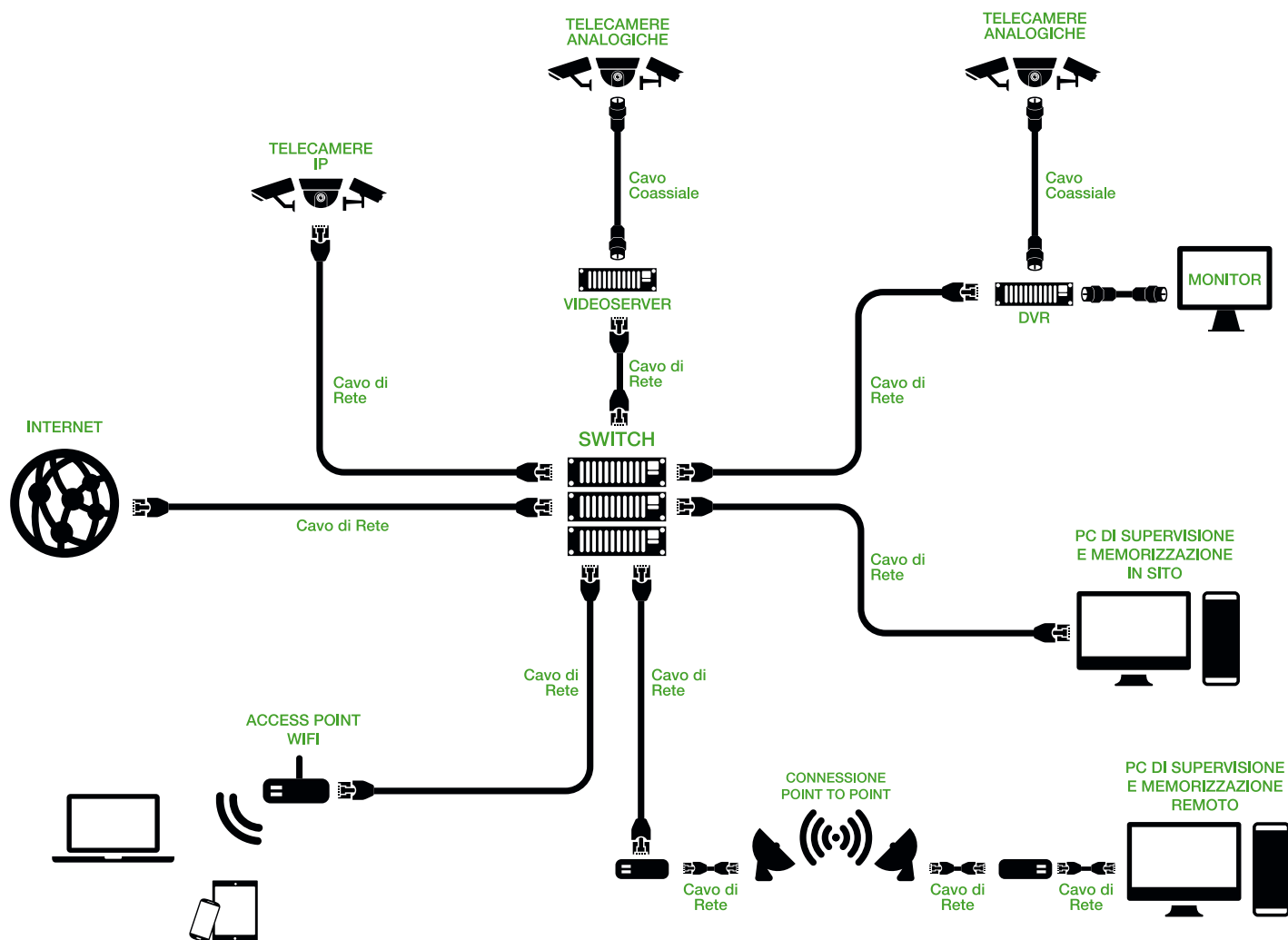**Cesit Ingegneria S.P.A. designs and produces video monitoring systems capable of:**

• Filming in any environmental conditions (night and day, even with no light), with both analogue and digital DSP technology, using standard, miniature and concealable cameras
• Transmitting and receiving video signals from a remote location with the most advanced carriers and communication techniques (LAN, WI-FI networks, WAN, fibre optic networks)
• Video-recording video and audio signals to hard disk drives

Video monitoring is therefore an ecosystem comprising a series of interrelated sub-systems: video cameras and sensors for data acquisition, data transmission networks and technologies, video analysis software, and systems for storing the acquired and processed data.

Benefits:

• Visually monitor critical areas from a remote location
• Check on one or more hazardous situations in real time
• Record criminal acts and/or acts of vandalism
• Provide visual proof of events
• Create a deterrent effect
• Interact with the intruder alarm and access control system
• Make up for a shortage of security staff

TELECAMERE ANALOGICHE

TELECAMERE ANALOGICHE

TELECAMERE IP

Cavo Coassiale

Cavo Coassiale

MONITOR

VIDEOSERVER

DVR

Cavo di Rete

Cavo di Rete

INTERNET

Cavo di Rete

SWITCH

Cavo di Rete

Cavo di Rete

PC DI SUPERVISIONE E MEMORIZZAZIONE IN SITO

Cavo di Rete

ACCESS POINT WIFI

Cavo di Rete

Cavo di Rete

CONNESSIONE POINT TO POINT

PC DI SUPERVISIONE E MEMORIZZAZIONE REMOTO

Cavo di Rete

Cavo di Rete

Cavo di Rete

Network video systems with video server:

these systems consist of a video server with analogue cameras connected to it by means of coaxial cable. The video server is connected to a network switch, which in turn is connected to a PC that uses video management software. The video flows are stored on the hard disks of the PC. The system is easily expandable and can be consulted from a remote location.

Analogue CCTV systems with DVR:

these are analogue systems capable of making digital video recordings on a video recorder that saves the images to a disk drive. The cameras are connected to the digital video recorder (DVR) with coaxial cable. The DVR can be connected to a network for the purpose of remote monitoring and management of the system.

Network video systems with network cameras:

this system consists of IP cameras, one or more network switches and a computer that converts the images into digital form and compresses them by means of video management software. This enables it to film in higher definition than conventional analogue systems. It is more flexible than conventional analogue systems and is more easily scalable. The stored data and video monitoring system can be consulted from a remote location.

Wide area video systems:

the problems associated with the transmission of video signals over long distances are overcome by using fibre optic cables, radio bridges and internet access.

Remote monitoring:

Monitoring of each individual component of the system directly from Cesit Ingegneria S.P.A.'s offices, day and night, 24/7, including public holidays; function monitoring, camera configuration, parameter adjustment for video analysis, connection status and set-up of speed domes.