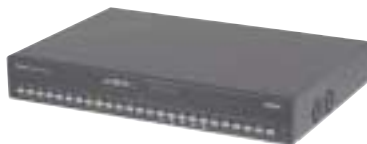
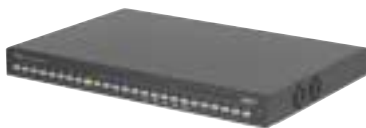


Divar application guide



Security Systems



Security you can rely on.

BOSCH

Bosch Divar Digital Versatile Recorder



Divar is the Digital Versatile Recorder that brings digital CCTV within reach of a wide group of users. This guide outlines how easy it is to configure, upgrade and expand.

A solution for many application areas

Divar forms the basis for CCTV systems ranging from simple stand-alone (unmanned) installations in retail applications to fully integrated, multi-site applications spanning several regions or countries.

Digital recorder, multiplexer and switcher in one

The Divar combines the functionality of a 16-channel digital video recorder with a 16-channel multiplexer and switcher in one unit. There are also 9-channel and 6-channel versions available for use with fewer cameras.

Versatile functionality

Divar has extensive alarm handling functions, record, search and playback capabilities and telemetry control for PTZ cameras and AutoDomes. The system can be remotely managed using Bosch 'Control Center' software. The Divar is even available with an internal DVD writer.

Stand-alone, linked or networked systems

Divar is easily locally expanded by adding cameras, keyboards and storage arrays. By linking (or 'daisy-chaining') Divar units, a larger local CCTV system is created. Local systems can also be accessed via a network.

Easy to install and configure

A quick install feature with on-screen menus (in 8 languages) is provided. In addition, a software tool enables system configuration using a PC.

Local system expansion

A stand-alone system may incorporate one or two monitors (main and spot) and an 'Intuikey' Universal Keyboard with joystick for intuitive manual control. Divar also allows remote control operation by up to six remote users with Control Center software. To lengthen the total archive recording time, storage arrays can be connected to provide a massive 17 TB hard disk capacity. An external DVD writer can be used for making archives or choose a Divar with internal DVD writer or without the need for a PC. An optional ATM/POS bridge enables financial transaction details to be recorded together with video.

Build a 256 camera CCTV recording system

By linking up to 16 Divar units, a local system can provide full functionality for 256 cameras. Divar units can also be integrated with Bosch Allegiant Video Matrix systems.

Networked multi-location expansion

To cover multiple locations, Divar systems can be linked via a Local Area Network (LAN) to cover one large site or via a Wide Area Network (WAN) to link systems in different regions or countries. Observation and system management can take place anywhere in the network.

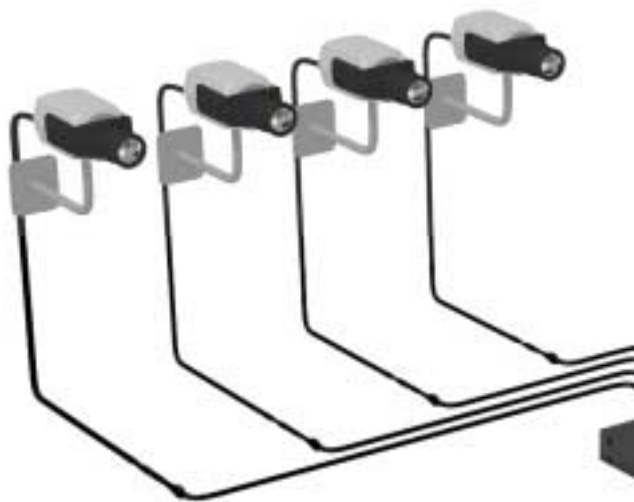
Basic stand-alone system



A single Divar configuration for small businesses

The basic configuration comprises a stand-alone Divar unit with fixed cameras (up to 16) and a single monitor. The unit's front panel is used for control.

The Divar with internal writer makes it very easy to make archives without the need for a PC.

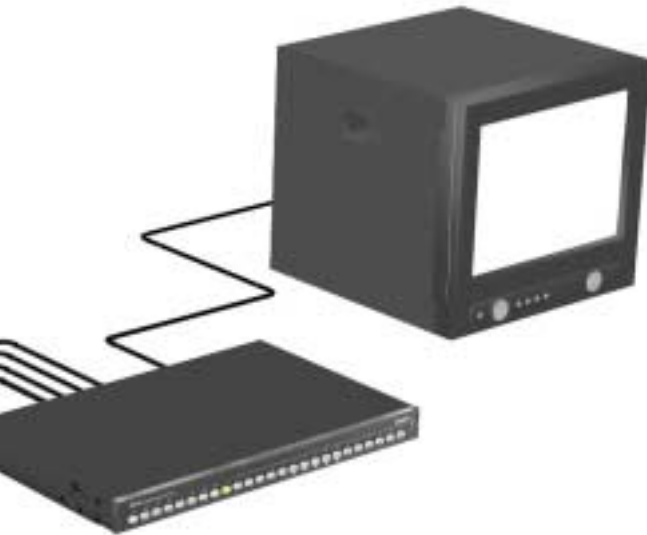


Characteristics

- Basic CCTV system for record, view and playback
- Compact and easily stowed away, out of sight
- No guard or constant attention is required

Typical applications

- Retail: jewelers, small supermarkets
- Banking: small banks
- Others: gas stations, warehouses

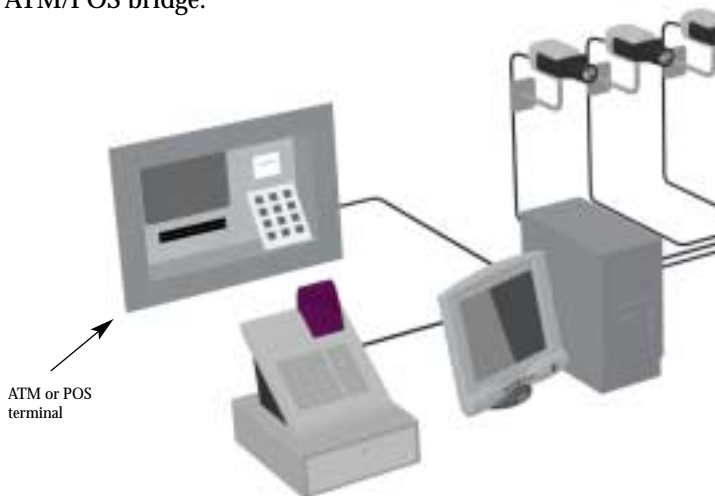


Complete stand-alone system



Extending the functionality of a single Divar for active observation

This Divar system uses a universal keyboard for controlling fixed and AutoDome or PTZ cameras. It has a main monitor plus spot monitor, alarm I/O (for external alarms and sensors), a storage array and a PC with Control Center software. A Divar with internal DVD writer or an external DVD writer is used for making archives. ATM or POS terminals are connected via an ATM/POS bridge.

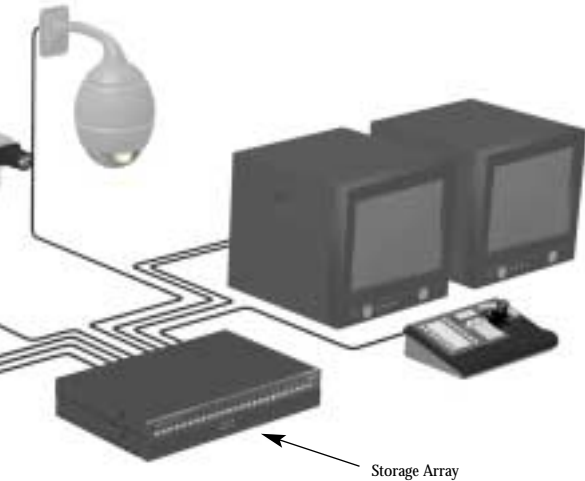


Characteristics

- Active observation by security personnel
- Frequent retrieval of recorded video
- Control via keyboard and PC
- Full control of cameras
- Compact and easily stowed away
- Local archiving to DVD or CD
- Multiple users on a single system

Typical applications

- Retail: supermarkets, department stores
- Banking: bank branches
- Industry: factories
- Other: museums, embassies, small government buildings

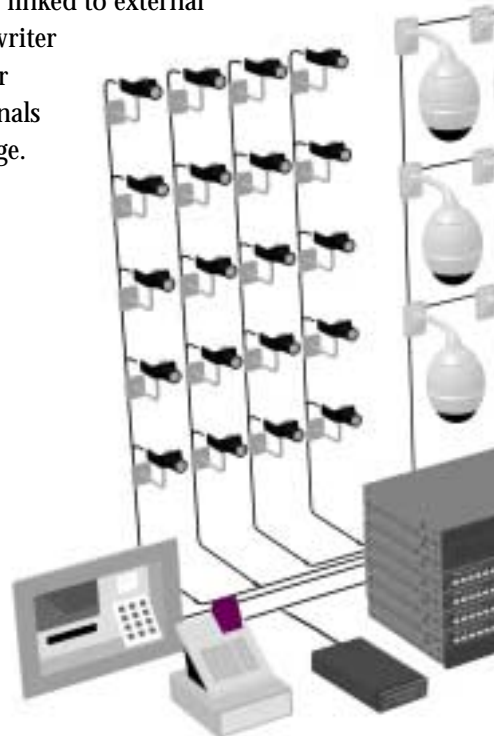


Medium localized system



Using the Bosch Video Manager to build up CCTV recording system

Up to 16 Divar units with storage arrays for longer archive are managed by the Video Manager. There can be two monitor locations, each with its own keyboard and alarm monitor. The alarm I/O is linked to external alarms. A Divar with internal DVD writer or an external DVD writer is used for making archives. ATM or POS terminals are connected via an ATM/POS bridge.

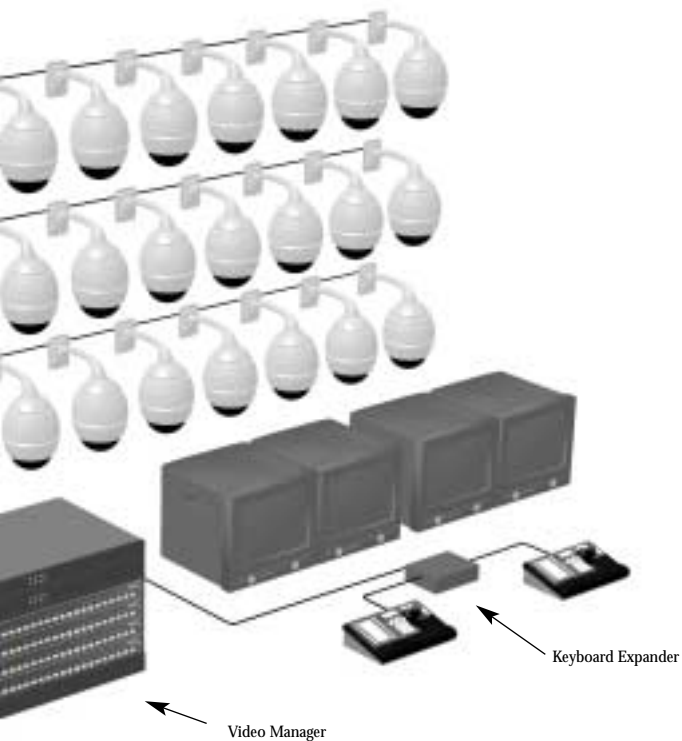


Characteristics

- Typically two local operators
- Localized control of systems up to 256 cameras
- Intended for frequent or constant viewing
- Local archiving to DVD or CD

Typical applications

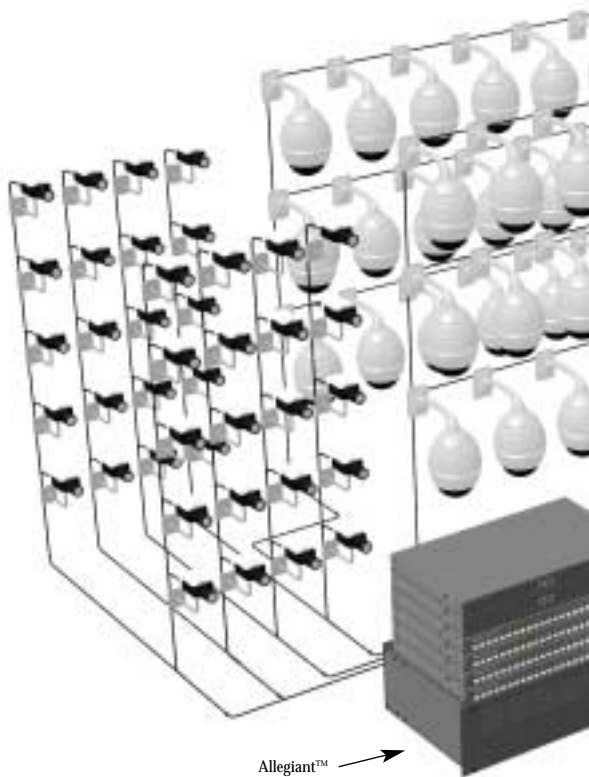
- Retail: large 'hypermarkets', shopping malls
- Industrial: industrial complexes
- Other: multi-storey buildings, government offices



Large integrated localized system



Using Bosch Allegiant to integrate several Divar units
Several Divar units can be integrated into one system and controlled via a Bosch Allegiant video matrix. Such a configuration uses multiple keyboards and monitors.



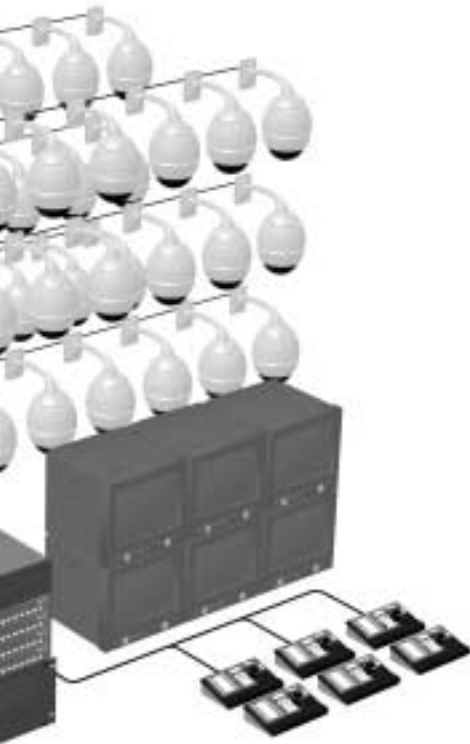
DIGITAL VERSATILE RECORDER

Characteristics

- Large localized CCTV system
- For frequent viewing and control
- Multiple operators (security personnel)

Typical applications

- Recreation: stadiums, casinos
- Transport: airports, large railway stations
- Public safety: city centers
- Other: correctional institutes, parliament buildings

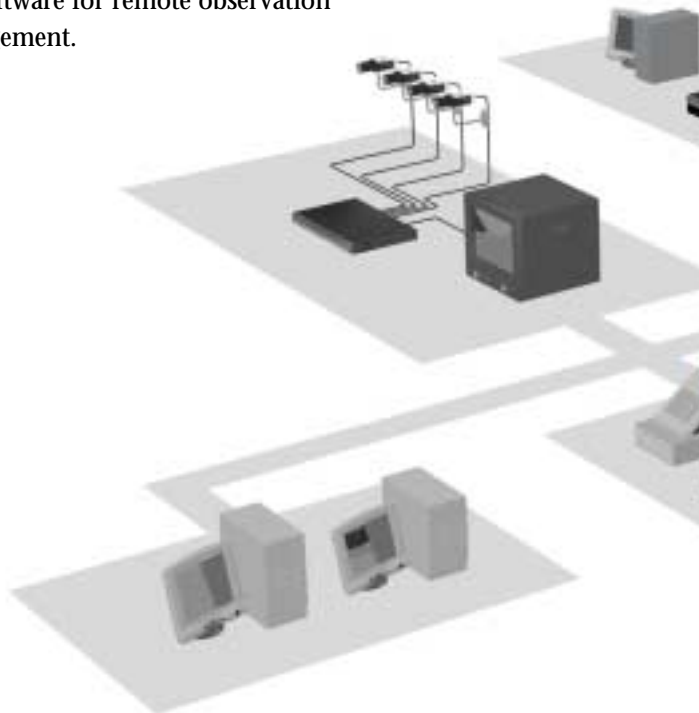


Multi-location with centralized control



Using a wide-area network to link Divar systems in various locations

Each location has a local Divar system (from basic to complete). All locations are linked via a local- or wide-area network (LAN or WAN) to a PC with Control Center software for remote observation and system management.

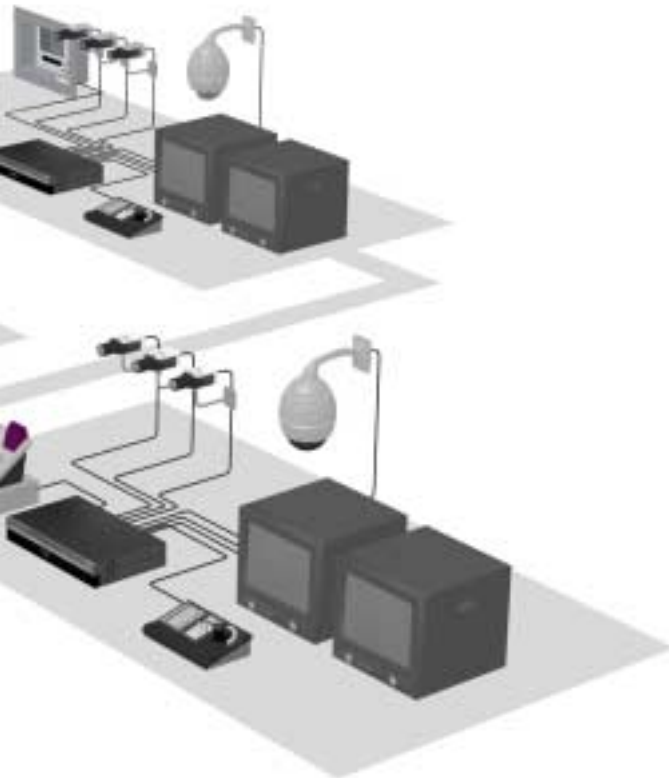


Characteristics

- Local systems with remote management and control
- Incidental local control and viewing
- Manned or unmanned local configurations

Typical applications

- Retail: chain stores, fast-food restaurants
- Banking: banks with branches
- Industrial: sites, gas/water/electricity/post utilities
- Transport: small train stations
- Other: multi-storey buildings

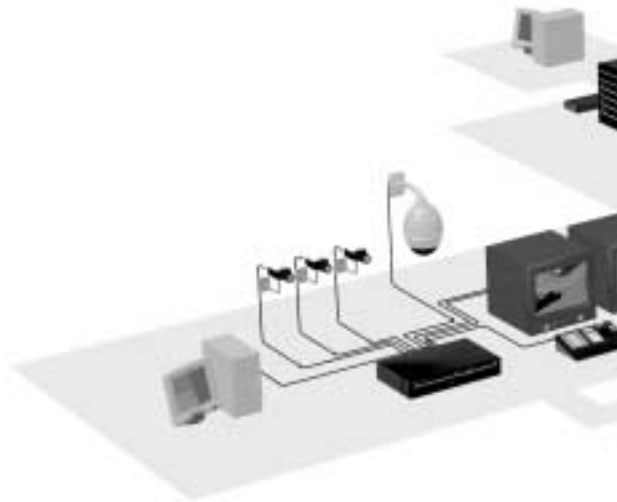


Multiple-sites with distributed control



Using a wide-area network to link large-scale systems in various sites

Multiple geographically separated sites each have a suitable configuration with several Divar units, storage arrays and Video Manager. They are linked via a network to a central control location with several PCs.

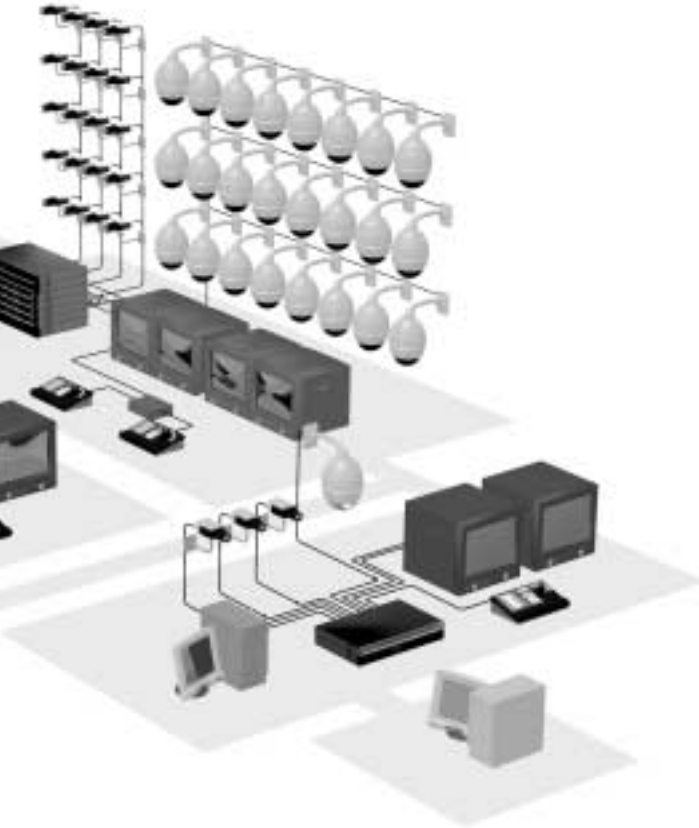


Characteristics

- Suitable for large organizations with many medium to large satellite sites
- Multi-site configuration with local and remote control
- Central management and control
- Private network link between sites

Typical applications

- Multinational companies, worldwide embassies
- Transport: metros, airports, railway companies



Bosch Security Systems

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