

# Building Integration System - The Video Engine

## The Video Engine



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### Video Engine - agenda

- What is Video Engine
- The BIS – Video Engine system structure
- The BIS Video Engine adds ...
- The BIS user interface with Video Engine
- Specific video detector types with individual control features
- Specific and standard video display features
- Sophisticated and individual auto dome control
- Mix your equipment
- Archiving and reporting
- One keyboard – multiple solutions
- Video Engine features at a glance



## Building Integration System - The Video Engine

### What is BIS Video Engine ?

- It is one of the central software modules of the Building Integration System
- It is “just” a license to use video features inside BIS
- The installable software you got with BIS installation CD
- It extends your existing BIS security management or access solution with sophisticated video functionality



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## Building Integration System - The Video Engine

### What is BIS Video Engine ?

- It offers solutions to monitor and control
  - Allegiant matrix switches
  - DiBos7 and 8 DVR systems
  - Divar DVR systems
  - Videojet and VIP video web server
  
- IP cameras
- Auto dome cameras connected to the above systems
  
- It offers additional display features for the BIS user interface especially for video (multiview and alarm matrix)



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# Video Engine meets your requirements

- BIS Video Engine is designed modular
- Extend Video Engine just by licensing the number of individual Bosch video subsystems
- You are able to extend Video Engine with BIS common features like location maps for a comfortable video subsystem and display management
- Using the BIS alarm management features makes an video motion alarm system from your DiBos, Divar or Videojet subsystems
- You may extend seamless step by step, mixing existing and new equipment or Bosch and 3<sup>rd</sup> party video systems



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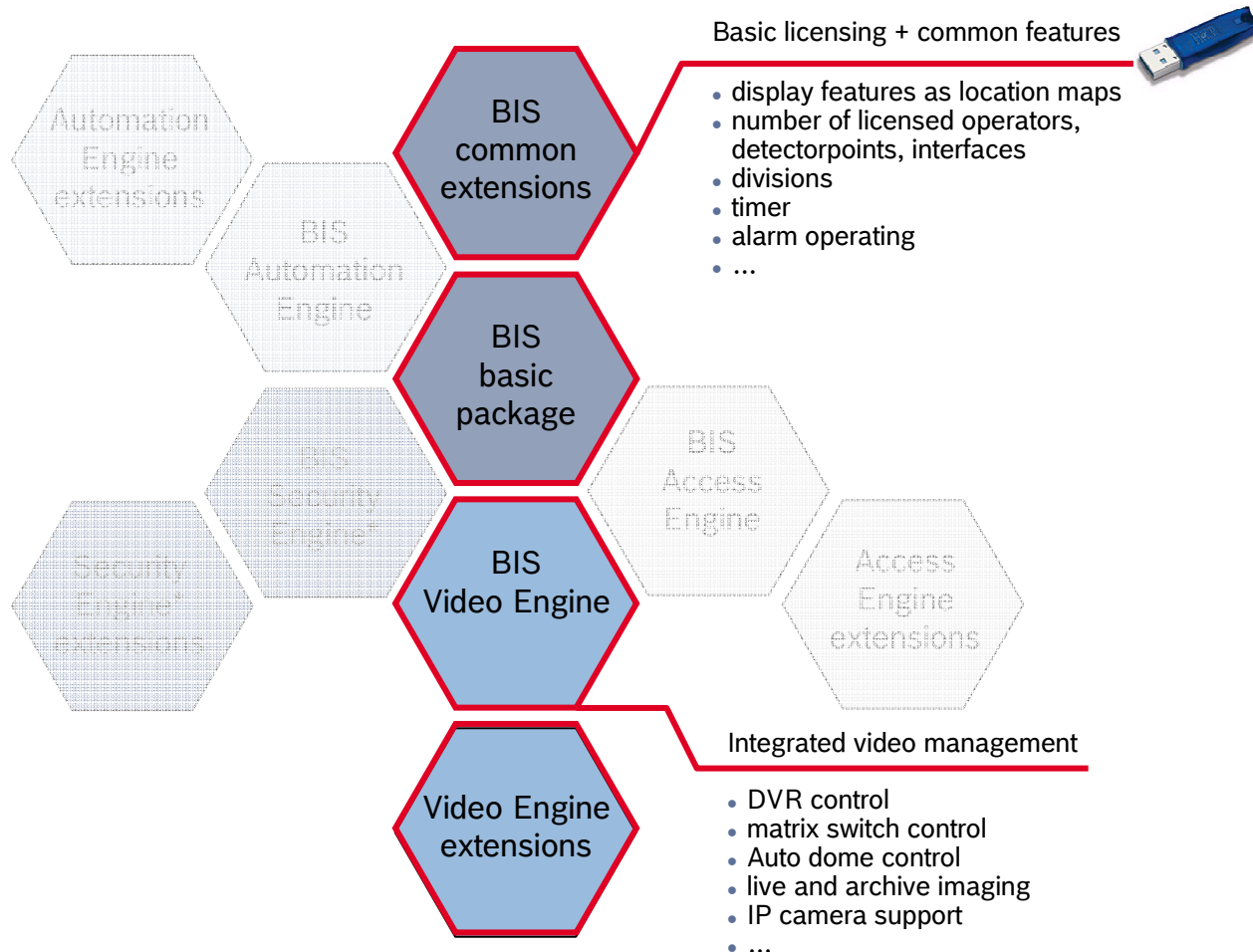
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# Building Integration System - The Video Engine

## The system structure



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### The BIS Video Engine adds

- the possibility to interface, monitor and control Bosch video systems
- new detector types to the BIS basic system, such as cameras, auto domes, sensor cameras, specific alarm inputs, matrix, ...
- the specific control commands for that new detector types
- new display features to the BIS user interface, such as multiview or alarm matrix
- new specific video control features to the BIS user interface, such as select cameo favorites



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## The BIS user interface with Video Engine



Single monitor solution with scalable VIE matrix overlay

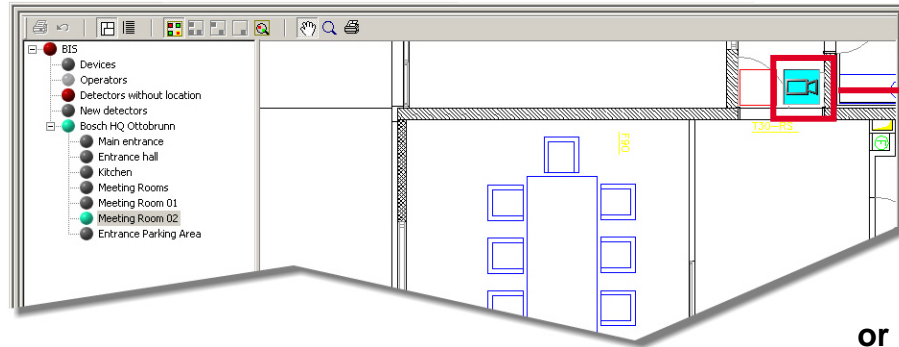
Multiple monitor solution with fullscreen VIE matrix





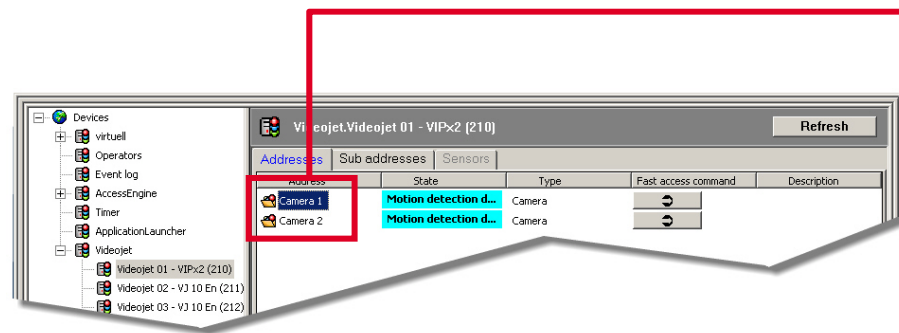
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## Specific video detector types with individual control features



Use location map icons

or device overview entry



- 1 Frame/Sec
- 2 Frame/Sec
- Activate motion detection
- All frame
- Deactivate motion detection
- Image Search
- Instant replay
- Live image
- Move to preset position
- Simulated alarm
- Start recording
- Stop recording

and get the detector depending control features



# Building Integration System - The Video Engine

## Specific video detector types with individual control features

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- Live image**
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e.g. „Live image“ will show camera live image in next free VIE cameo



up to 16 per VIE multiview matrix

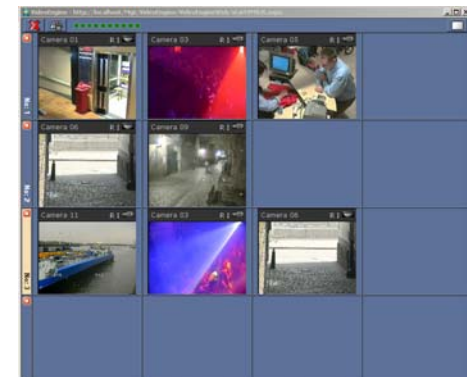
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# Specific and standard video display features

- Specific VIE display features
  - Multiview window for manual camera selection and control
  - Alarm matrix for event driven display of camera images
  
- Standard BIS display features
  - Action plans
  - Miscellaneous documents
  
- Customized user interfaces
  - iFrames using Java/HTML script (not supported by every video source)



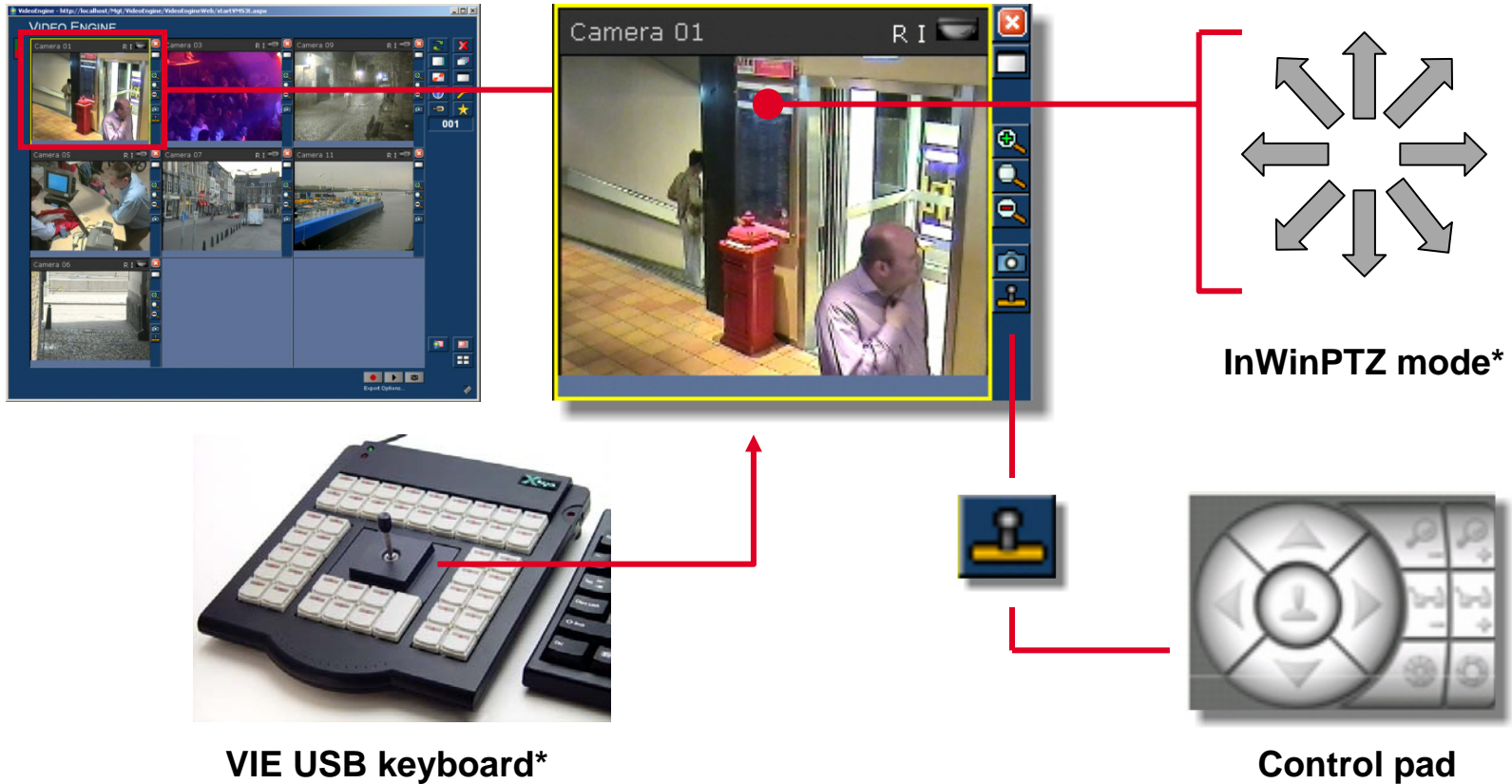
Multiview window



Alarm matrix

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## Sophisticated and individual auto dome control



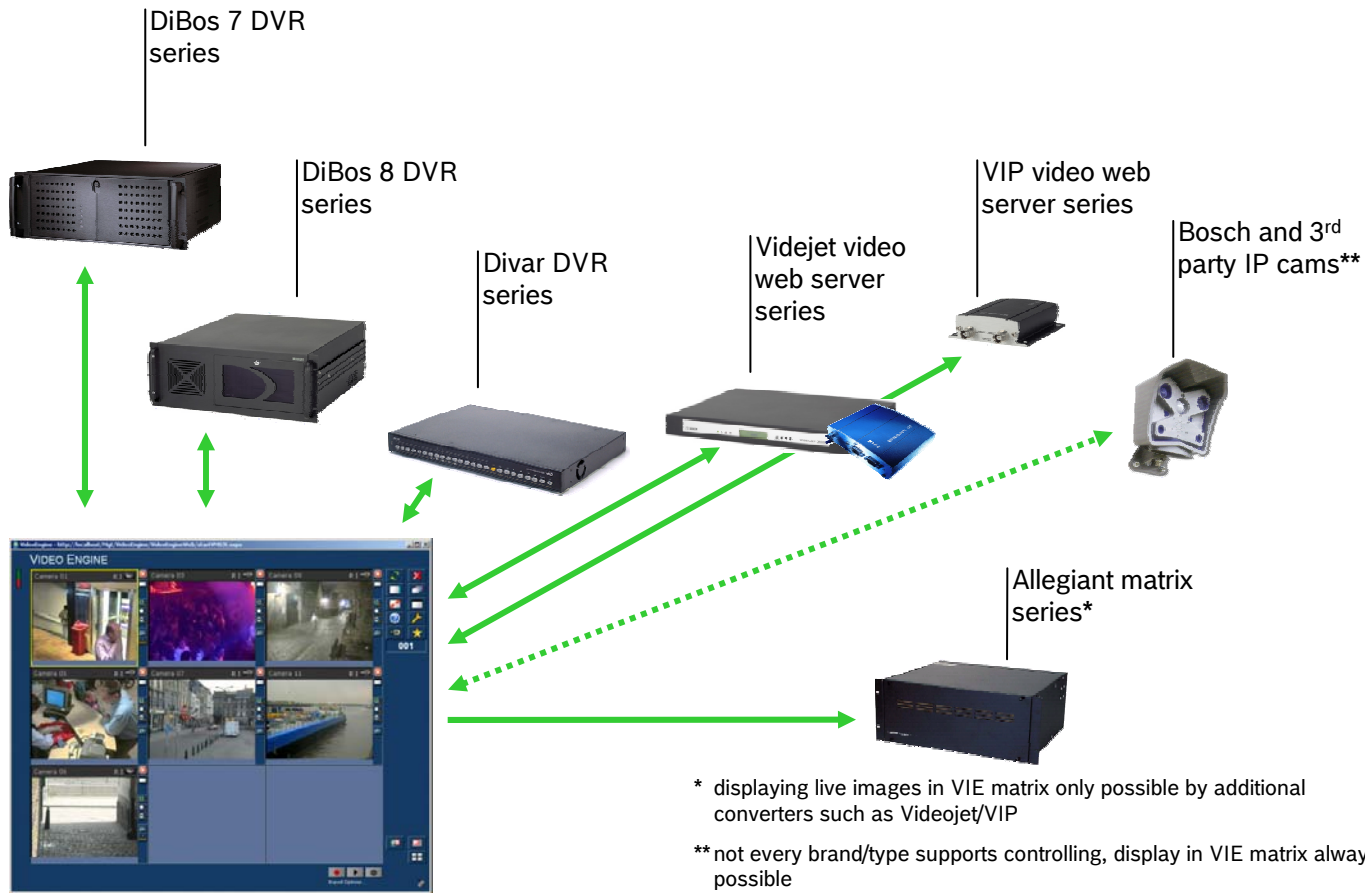
\* not supported by all video subsystems

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# Building Integration System - The Video Engine

## Mix your equipment



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### Archiving and reporting

- Usage of existing archives in DVR systems
- Simultaneous display of different archive sources
- Simultaneous replay of selected archives
- Supports triggering of alarm archives on every incoming event (intrusion, fire, access control, ...)
- Direct link from BIS/VIE event log (alarm entry) to corresponding archive (DiBos and Divar series)
- Local storage and replay on every client workstation
- Snapshot and print feature for single image and complete matrix



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### One keyboard – multiple solutions

- Plug & Play, just connect to workstation USB port, auto-detected by VIE
- Supports all features from VIE toolbars, such as favorites, camera controls, display mode switching, ...
- Supports (mixed!) auto dome camera joystick control (PTZ) at DiBos8, Divar and Videojet/VIP simultaneously
- Joystick for PTZ control and camera selection (toggle mode)



VIE USB keyboard



## Building Integration System - The Video Engine

### Features at a glance

- Common frontend for mixed video equipment
- Ability to display live and archive images from different sources in same window
- Simultaneous PTZ control of mixed Bosch auto dome sources
- Automatic trigger of alarm archives on every event
- Direct link to corresponding alarm archives for fast reporting
- Optical guard tour with up to 16 cameras per VIE multiview



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## Building Integration System - The Video Engine

### Features at a glance

- Local archiving and replay of VIE multiview contents
- Camera and matrix favorites for fast and individual display selection
- Simultaneous display of JPEG, MPEG2, MPEG4 and Wavelet in the same digital matrix view
- Central management of operators and cameras
- Customizable user interface with individual display features



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