

# Gallagher System Integrations

*Gallagher Command Centre supports integrations with a range of third party security products, using Gallagher developed interface software and industry standard protocols. All Gallagher system integrations are individually licensed, optional features and are supported on specific versions of third party software.*

## Video Integrations

The Gallagher Imaging Interface allows for integration with supported DVR, NVR, CCTV or video management systems. An integrated imaging solution links visual records to events in Gallagher Command Centre. Recalling a specific event allows associated stored video images to be immediately retrieved.

## Viewing Video

Within Gallagher Command Centre\*, video can be viewed:

- Live by the operator at any time
- In response to an event (event triggered viewing)
- Via a selected camera on the Gallagher Command Centre site plan
- Directly from a site plan by placing a camera tile over the site plan in the location of the physical camera
- Using the find tool to search stored image sequences associated with a particular camera
- Via playback of stored video associated with an alarm - multiple cameras can be associated with an alarm.

*\* Some of the above features are only available in Command Centre Premier*

## Triggering Imaging System Actions

Depending on the imaging system capabilities, Gallagher Command Centre can be configured to move a specific camera to a preset or tour (pattern) in response to a Gallagher alarm or other specified event.

## Triggering Command Centre Actions

Motion detected by a camera can trigger the creation of a specific Gallagher Command Centre alarm or DVR event. The information sent to Gallagher Command Centre will include the camera and the imaging system name, and a date/ time stamp in an appropriate format. Some imaging integrations also allow you to specify the period prior to an alarm for which video footage is retrieved, (e.g. video will be displayed 10 seconds before the alarm occurred).

## Data Storage

The Gallagher event archive includes image sequence placeholders and any additional information stored as a result of triggered events\*. This data is preserved by the Gallagher Command Centre archiving, backup and restore processes.

The imaging system must be networked to Gallagher Command Centre workstations.

*\*Gallagher Command Centre stores events related to video but not the video footage itself. Video footage is stored in the imaging system.*



## Integration Functionalities

Gallagher has developed integrations<sup>1</sup> to the following imaging systems:

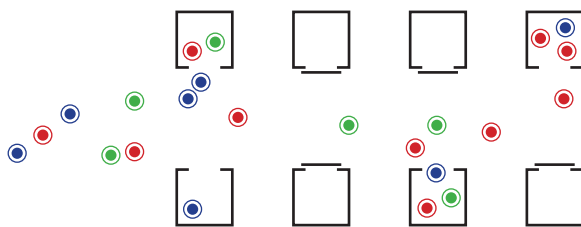
	PELCO	BOSCH		PANASONIC	EXACQVISION	MOBOTIX
Product Number	C12629	C12681	C12554	C12579	C12589	C12655
Supported SDK	Pelco SDK v2.2	BOSCH VMS SDK v4.5	BOSCH Video SDK v4.43.04.03	PANASONIC PS-API SDK 6.00.17	Exacq DVR v5.4.3.39302	Mobotix SDK v1.0.2
LIVE VIEWER: VIEW LIVE FOOTAGE IN GALLAGHER COMMAND CENTRE						
Initiated from:						
Site Plan	✓	✓	✓	✓	✓	✓
Master List	✓	✓	✓	✓	✓	✓
Challenge Viewer	✓	✓	✓	✓	✓	✓
Find tool	✓	✓	✓	✓	✓	✓
Status Viewer / Monitor Site Viewer	✓	✓	✓	✓	✓	✓
Camera Control:						
Pan Tilt Zoom	✓	✓	✓	✓	✓	✓
Presets	✓		✓	✓	✓	
Patterns	✓					
Snapshot	✓	✓			✓	✓
STORED VIEWER: VIEW STORED FOOTAGE IN GALLAGHER COMMAND CENTRE						
Initiated from:						
Alarm Viewer	✓	✓	✓	✓	✓	✓
Find tool	✓	✓	✓	✓		✓
Other features:						
Play/pause, fast forward and rewind	✓	✓	✓	✓	✓	✓
Snapshot					✓	✓
ALARMS INTERFACE						
Bidirectional Gallagher↔DVR <sup>2</sup>	✓	✓	✓	✓	✓	✓
Video Analytics	✓					✓
Monitor Switching	✓					

<sup>1</sup> Check imaging system release notes for supported Command Centre versions and platform and operating system compatibility.

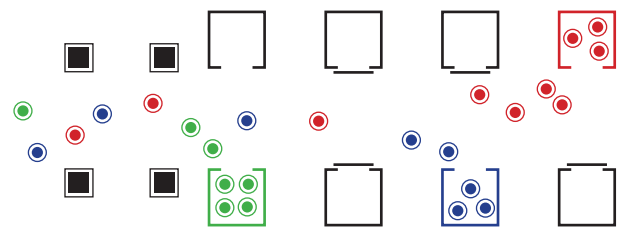
<sup>2</sup> Refer to the release notes for a list of imaging system alarms supported by Gallagher Command Centre, eg. camera motion detection or move to preset.



	ONSSI	G4S	DVTEL	DEDICATED MICROS	AXIS
Product Number	C12619	C12563	2A8986	2A8252	C12633
Supported SDK	ONSSI Ocularis 3.5	G4S DVR System SDK v2.3.8	Latitude v6.3	DV-IP v04.3 (32.05)	AXIS VAPIX v3 API
<b>LIVE VIEWER: VIEW LIVE FOOTAGE IN GALLAGHER COMMAND CENTRE</b>					
<b>Initiated from:</b>					
Site Plan	✓	✓	✓	✓	
Master List	✓	✓	✓	✓	
Challenge Viewer	✓	✓	✓	✓	
Find tool	✓	✓	✓	✓	
Status Viewer / Monitor Site Viewer	✓	✓	✓	✓	
<b>Camera Control:</b>					
Pan Tilt Zoom	✓	✓	✓	✓	
Presets	✓	✓	✓	✓	
Patterns	✓		✓	✓	
Snapshot	✓		✓		
<b>STORED VIEWER: VIEW STORED FOOTAGE IN GALLAGHER COMMAND CENTRE</b>					
<b>Initiated from:</b>					
Alarm Viewer	✓	✓	✓	✓	
Find tool	✓	✓	✓	✓	
<b>Other features:</b>					
Play/pause, fast forward and rewind	✓	✓	✓	✓	
Snapshot			✓		
<b>ALARMS INTERFACE</b>					
Bidirectional Gallagher↔DVR²	✓				✓
Video Analytics					
Monitor Switching					



*Standard Up/Down Dispatching*



*Destination Based Dispatching*

## Elevator Integrations

There are two types of elevator integrations, standard and destination based dispatching.

Standard Gallagher Elevator High Level Integrations (HLI) allow the Gallagher security system to control access to floors from elevator cars. Destination based dispatching HLIs enable elevator systems to group passengers travelling to similar destinations for more efficient people flow.

### Standard Dispatching

With a range of HLIs the Gallagher system can be integrated with your new or existing elevator system to provide access control to each individual floor. A Gallagher reader installed within or adjacent to an elevator car and connected to a Gallagher Controller will alleviate the need for the extensive I/O usage typical of low level elevator integrations.

An access zone can be assigned to each floor that an elevator car travels to. Floor access can be freely enabled for all passengers if the corresponding access zone is in free access, or controlled if the corresponding access zone is secure.

When a cardholder requires access to a secure floor via an elevator, the Gallagher system will send a message to the elevator control system to enable floor access corresponding to those access zones assigned to the cardholder. Gallagher Command Centre will record cardholder floor selections in the Gallagher event database.

Security is further enhanced by monitoring of the communications data between the Gallagher system and the elevator system. An alarm can be raised at the Gallagher Command Centre workstation if the Gallagher controller or server fails to receive a response from the elevator system.

## Destination Based Dispatching

Elevator systems supporting destination-based dispatching feature keypads and screens located in elevator lobbies that replace traditional elevator call buttons. Passengers enter their desired floor before entering an elevator car, and passengers traveling to nearby floors are grouped together by the system and directed to a specific elevator car by destination-based dispatching system screens. This minimizes the number of stops, and decreases congestion and travel time – especially during peak traffic periods.



#### Elevator HLI Feature Comparison

	Kone	Otis	Kone Polaris	Otis Compass DCS	Schindler Miconic	ThyssenKrupp
User Specific Destination Control	✓	✓	✓	✓	✓	✓
Event Logging/Audit Trail	✓	✓	✓	✓	✓	✓
Secure/Free Floor Control	✓	✓	✓	✓	✓*	✓
Tamper/System monitoring	✓	✓	✓	✓	✓	✓
Car Operation Panel Card Reader	✓	✓	✓	✓		✓
Destination Control Panel Card Reader			✓	✓	✓	✓

\* Requires specific configuration. Schindler cannot be used for floor access mode management when operating in this mode.

TECHNICAL SPECIFICATIONS	KONE HLI (STANDARD)	MARCH 2013
Number of Gallagher Controllers	1	
Number of Floors	64	
Number of Elevator Shafts (Per Group Control Module)	8	
Communications Protocol	RS232	
Protocol Support	EPL HLI Security Protocol v2.3. An enhancement was made to this using version 2.5 of the protocol	
TECHNICAL SPECIFICATIONS	OTIS HLI (STANDARD)	
Number of Gallagher Controllers	1	
Number of Floors	64	
Number of Elevator Shafts (Per Group Control Module)	8	
Communications Protocol	RS232	
Protocol Support	Specification for EMS - Security/BMS Protocol Otis Ref. no: 51646B	
TECHNICAL SPECIFICATIONS	KONE POLARIS	
Communications Protocol	TCP/IP	
Protocol Support	Group Controller Access Control Interface Specification 1.5	
TECHNICAL SPECIFICATIONS	OTIS COMPASS DCS	
Communications Protocol	TCP/IP	
Protocol Support	Compass Security Intergration Software Requirements Specification - Document # D125_SRS_CSIGeneric	
TECHNICAL SPECIFICATIONS	SCHINDLER ID	
Communications Protocol	TCP/IP	
Protocol Support	Schindler v1.2.347.1	
TECHNICAL SPECIFICATIONS	THYSSENKRUPP	
Communications Protocol	RS232	
Protocol Support	Simple serial adaption of card reader systems to lift control system from TKAW serial protocol (26 March 2012)	





## Intercom Integrations

The Gallagher Intercom HLI enables digital intercom systems to be integrated into the Gallagher access system. This allows intercom functionality and related intercom alarms and events to be supported through the Gallagher Command Centre graphical user interface by Gallagher operators.

## Multiple Intercom Systems

Multiple intercom systems can be supported in the Gallagher system. For each intercom system, individual intercom units are uniquely identified. The Gallagher system becomes the user interface to control calls for the intercom system. The audio communications remain within the originating intercom system.

## Intercom Functionality

Intercom units may be associated with access controlled doors, enabling authorized operators to open that door in response to a call made from the intercom unit. An intercom master can be associated with a computer running Gallagher Command Centre, for the operator to use to respond to calls and monitor the status of the intercom system. In addition to answering calls, Gallagher operators with intercom operator privileges also have options to:

- Forward a call to another Gallagher workstation or intercom unit from the same intercom system
- Place a call on hold, enabling the operator to service other calls and return to the call when ready
- End a call
- Initiate calls
- View live video footage from a Jacques Video Intercom device associated with an intercom call event.

## System Division

Just like other items created in Command Centre, intercom systems and intercoms are assigned to a division when configured. This allows only authorized operators assigned to that division to access their intercoms and intercom systems.

## 'Remote Mode'

In response to fluctuations in workload and operator requirements, the Gallagher workstation intercom can be put into 'remote mode'. Calls continue to be logged in the Gallagher system but are queued and diverted to an alternative intercom answering workstation. The alternate workstation must be in the same or higher division. Where 'remote mode' is supported by the third party intercom system, it is possible to configure the workstation to switch to 'remote mode' when the operator logs off their Gallagher workstation.

The Gallagher Intercom High Level Interface (HLI) feature enables digital intercom systems such as the Jacques TCP/IP Intercom System to be integrated into the Gallagher security system.

## Audit Trail

All intercom events are recorded on the Gallagher audit trail, including the operator who answered or initiated the call, the intercom unit, the call duration, the time the call was made and answered.

As at January 2013, Gallagher Command Centre supports integration with the Jacques TCP/IP Intercom System and also Austco Intercoms. Please contact Gallagher if integration with an alternative intercom system is required.

Gallagher Command Centre can also interface with a number of other third party products including: key safe; security sensor monitoring; fuel pump; security duress and printer integrations.



### Intercom Integration Feature Comparison

	JACQUES	AUSTCO
Product Number	C12593	C12577
INTERCOM VIEWER: DISPLAY ALL INTERCOM CALLS FOR MANAGEMENT		
Answer a call	Y	Y
End a call	Y	Y
Initiate call to intercom	Y	N
Place a call on hold	Y	N
Manually forward a call to another workstation	Y	N
Open door co-located with intercom	Y	Y
INTERCOM CAMERA TILE: DISPLAY VIDEO*		
Display video from intercom video enabled devices	Y	N
DVR CAMERA TILE: DISPLAY VIDEO*		
Display video from DVR cameras associated to intercoms	Y	Y
ADDITIONAL FEATURES		
Automatically pop-to-front intercom viewer on incoming call	Y	Y
Automatically forward a call to another workstation (when operator is offline)	Y	N
Display duration until unanswered call is automatically cancelled	N	Y
Intercom System connection status indicator	Y	N
Activity reporting on Intercom Calls	Y	Y

\*requires independent DVR video interface

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