



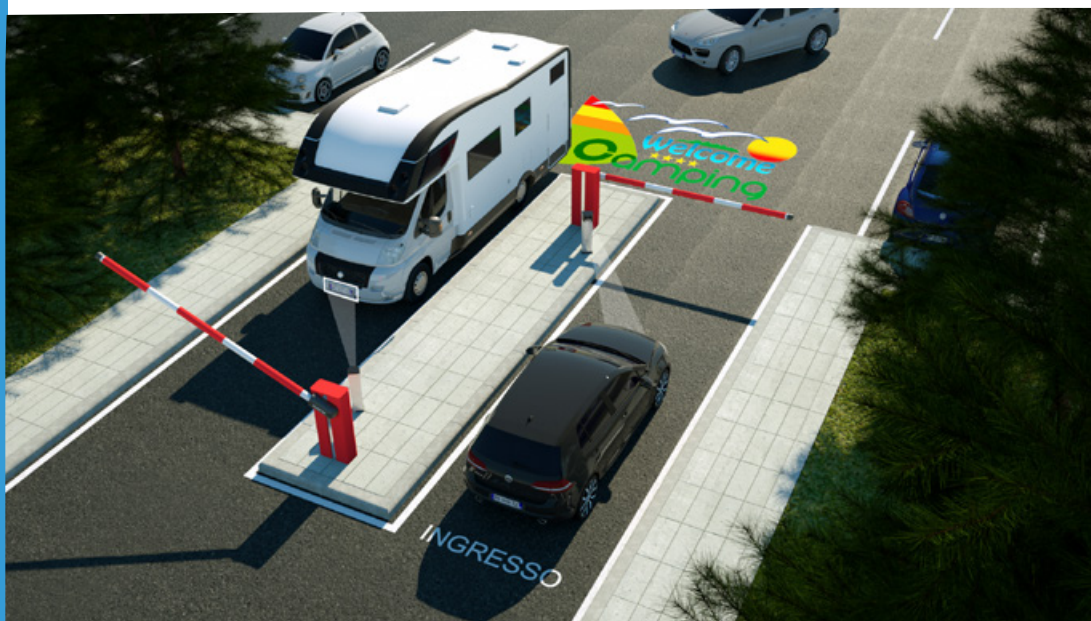
PAM module

DATASHEET



Access Control

Software solution designed to manage parking spaces for customers, e.g. for hotels, campsites, serviced apartments, and private or residential car parks. As a MULTICAM software module, PAM can be used as an access control and parking management system, and as a surveillance system.



Fields of application



SERVICED APARTMENTS
for controlling the parking spaces available for family groups in residential complexes.



CAMPITES
for making sure that only one car enters for the parking space reserved for a holidaymaker.



GARAGES
for the automated entry of permit holders or for standard fee-paying customers.



HOTELS
for controlling employee access and parking spaces reserved for customers.



COMPANIES
for controlling the entry and exit of employees, customers, couriers and suppliers.



INSTITUTIONS
to allow access only to those entitled to enter a public facility.

PAM - access control module

PAM (Park Access Module) is a Multicam module designed to manage parking spaces in private car parks, paid car parks, residential or municipal car parks. This module is useful for anyone who wishes to implement an administration and access control system with the option to manage permits and time slots, calculate the cost of a stay, or manage special customer categories (VIP).

PAM is the ideal solution for applications in which only one vehicle belonging to a family group is allowed to enter, for example in order to manage limited parking spaces available in residential complexes or campsites.

Once the maximum number of spaces available has been reached, PAM prevents additional vehicles from entering until a space becomes available. A special column linked to the Multicam software displays the availability of parking spaces for cars.

PAM is able to manage special categories of vehicles (ambulances, law enforcement vehicles, suppliers or special customers, who can enter automatically regardless of the time slot settings, number of available parking spaces or other limitations.



General

- Operating system: Windows 10, 2012 or 2016 Server
- Versions available for up to 49 entry/exit plate reading cameras
- Demo version with 16 cameras for a maximum of two hours of use
- Dynamic IP address management
- Integration with third-party systems through 'calls' and interfaces
- System administration with user and permissions management
- System log recording and management
- Image encryption
- Compatibility with Selea plate reading cameras

Recording

- Recording formats: JPEG, MPEG-4 and H264
- Record up to 49 plate reading cameras
- System log recording and management
- Continuous 24-hour or event mode recording
- Pre- and post- alarm recording
- Record audio, video and data in a database
- Weekly recording scheduling

Security

- System administration, user and permissions management
- User rights:
 - Recording archive access
 - RTP video streams
 - System log
 - PTZ controls
 - Recordings from client software
- Software runs as a Windows service and not as a program
- Dynamic encryption of images
- Management of views for each individual user
- Access management for each individual user
- Specify 'groups' of cameras with permissions for each user
- Entire system backup and restore



Event and alarm management

One or more alarms and actions can be activated for each source. The events and associated actions provided in the software are:

SETTABLE EVENTS:

- Single source disconnection
- Input
- Software button
- Timed
- Object classification
- Object abandonment / removal
- Intrusion
- Speed
- Motion detection software
- Selea Motion camera
- Plate reading

ACTIONS THAT CAN BE ASSOCIATED WITH AN EVENT

- Start external program
- Customized action (macro)
- HTTP call
- Output settings
- Send alarms to 'external agents' (client)
- Audio message
- Notifications on maps
- E-mail notifications
- Camera group occlusion
- Record
- Reset alarm status
- Selected presets

Searching and Statistics

- Search the database, filter by time period and/or number plate. Exportable to CSV, for:
 - Authorized and unauthorized accesses
 - Passbacks
 - By gate, user
 - Category
 - Parking area Of course
- Statistics for:
 - Daily (hourly), weekly and monthly entries/exits
 - By access point(s)
 - Time period
 - Plate number (with smart search)
 - Plates included in a list
 - Plate country codes
 - Plate reading quality



PAM functions

- Option to launch the program in full screen mode with limited functionality for each user.
- Create user accounts with:
 - Full personal details
 - Account validity period (e.g. seasonal users or following account pre-registration).
 - Option to associate multiple number plates/vehicles to each user (e.g. family group) and limit the number of family group users that can enter.
- View and record the driver's face and vehicle details using one or more vision cameras.
- Associate the transit with personal data (user photo, address, telephone number, notes, etc.) and the description of the type of car owned by the user for correct access control (e.g. number plate copied and mounted on a different vehicle).
- Enable access to parking areas with weekly scheduling, customizable according to parking area, category or individual user.
- Assign the number of spaces reserved for users or categories (management of VIP spaces, season tickets and guests) with the option to grant access when the assigned spaces are full.
- Prevent the access of vehicles when the maximum number of assigned or available spaces has been reached.
- Enable access for a limited number of unregistered users.
- Automatic or manual opening of barriers using outputs integrated in the cameras, or direct integration of ModBUS TCP/IP PLCs to open the barrier or traffic light signal using two separate outputs.
- Create special categories with free access (e.g. service vehicles or security patrols, including with weekly hourly scheduling) or categories that are always denied access.
- Calculate the hourly fee for use of the parking area, customizable according to user/category.
- Enable manual exit from the area, with indication of the parking fee payable.
- Configure the free exit time during which vehicles can exit free of charge after having entered.
- Entry/exit with manual operator intervention
- Option to open the parking areas completely for a limited time (e.g. in an emergency or limited free entry period).
- Audible and visual signalling of atypical events with the possibility of manual operator intervention.
- Customizable receipts, with the option of incorporating a barcode or QR-code indicating transit information.
- Real-time status display of parking areas
- Create 'alias' entries for number plates to allow the transit of vehicles with plates that are damaged or difficult to read.



PAM module

Technical datasheet

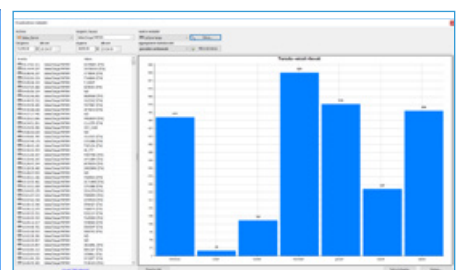
- ▶ Intelligent log search for number plates, users, categories, crossing point and control area.
- ▶ Export events according to search criteria in CSV format for statistical analysis or customized checks.
- ▶ Export/import users' personal data in CSV format.
- ▶ Automatic deletion of transits from the database, as required by data protection regulations or to free up memory

The screenshot displays the PAM software interface. It features a multi-camera view of a parking facility with labels: "Ricaricamento", "Customer area", "Parking-Floor1", and "Parking-Floor2". A user profile for Renato Grassi, Manager, is shown with contact information: 555-554-543, Via Caribaldi. Below the profile, there are controls for "REC", "Talk", and "Attiva output". A table at the bottom shows a list of vehicle transits with columns for Date / Ora, Area, Gate, Dir., Targa, Proprietario, and Categoria.

Data / Ora	Area	Gate	Dir.	Targa	Proprietario	Categoria
11/01/2011 - 16:16:43.885	Parking	trentasette	OUT	HFK127	Renato Grassi	Manager
11/01/2011 - 16:16:43.682	Parking	trentasette	OUT	AH167	< non registrato >	
11/01/2011 - 16:16:36.713	Parking	targhe 249	IN	AS806JT	< non registrato >	
11/01/2011 - 16:16:10.463	Parking	trentasette	OUT	HFK127	Renato Grassi	Manager
11/01/2011 - 16:16:09.432	Parking	trentasette	OUT	H167CF	< non registrato >	
11/01/2011 - 16:16:05.994	Parking	trentasette	OUT	HFK127	Renato Grassi	Manager
11/01/2011 - 16:15:09.713	Parking	targhe 249	IN	BA092EY	< non registrato >	
11/01/2011 - 16:13:39.307	Parking	targhe 249	IN	CW321CS	< non registrato >	

The screenshot shows the "Configurazione modulo" window, which is used for configuring the module. It includes fields for "Nome utente", "Cognome", "Telefono", "Email", and "Categorie". There is also a section for "ID utente" and "Targa".

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WHERE TO BUY

Selea has a network of authorised Distributors throughout the country with whom it establishes design and market protection policies.

About us

Selea is specialized in the manufacture of number plate reading solutions, both for vehicle access control and for territorial security and traffic control. All of our products are developed and manufactured entirely in-house in Italy. This means that customers can benefit from continuous and comprehensive technical support.

Our experience, gained by working together with various Law Enforcement Agencies on video surveillance and number plate reading systems for over 10 years, allows us to offer solutions that guarantee excellent results and advanced tools for suppressing and preventing crime (**Searching for accomplices, frontmen, stolen vehicles, uninsured vehicles/vehicles without a roadworthiness certificate, traffic analysis and much more**) and provide integrated public security with a view to sharing information between agencies and Smart City solutions.

- **HARDWARE MANUFACTURING**
- **SOFTWARE DEVELOPMENT**
- **IN-HOUSE RESEARCH & DEVELOPMENT**
- **100% MADE in ITALY by SELEA**

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