

Hectronic

*Smart Solutions for
parking and refuelling*

MANAGE | AUTHORIZE | PAY | SURVEILLANCE

**Parking Management
Made Easy.**

We help to optimize your parking management.

MANAGE

The web-based management software is your control centre. CityLine combines all components of your parking management to one big unit and grows with your requirements. With CityLine you can carry out configurations, retrieve statistics and monitor the components in the field in real time.

Further available CityLine Services yield security of investment and sustainability. They allow for quick and flexible extension by current features for user-friendly monitoring and convenient payment.

We ensure highest security and permanent availability by our protected data network.

PAGE 4/5 Management Software CityLine
PAGE 6/7 CityLine Services

PAY

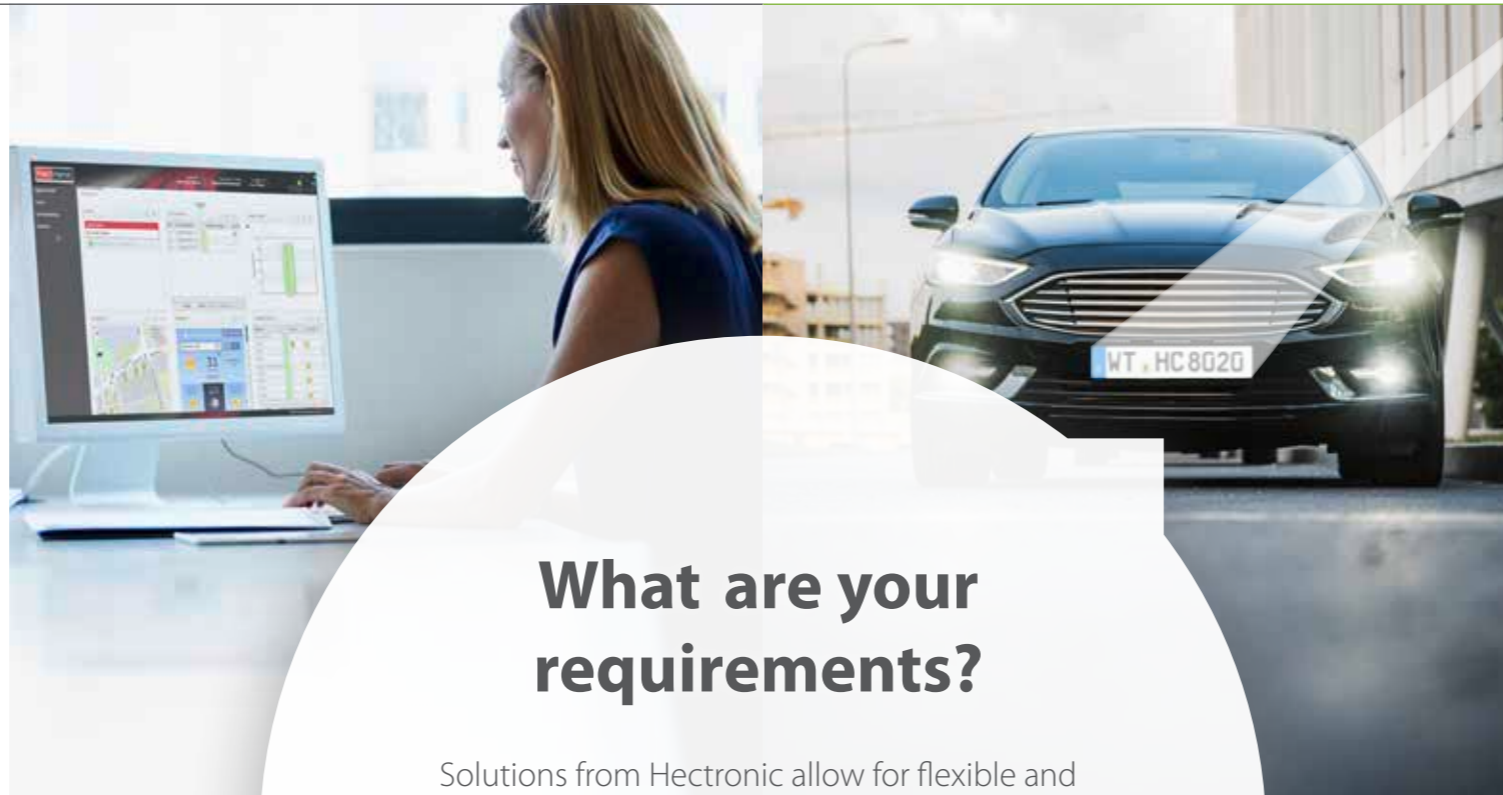
For you as an operator and parking space user we offer user-friendly, stationary and mobile solutions to handle the payment process.

A safe investment, proven thousands of times and with great flexibility for customization in terms of system, function and design.

CityLine Services:

Free Parking | Real-Time Parking | Dynamic Discount | Violation Ticket Service | Digital Receipt | Parking Space Operation | Number Plate Operation

PAGE 10/11 Payment App CiteaGo
PAGE 12/13 Parking Ticket Machine Citea
PAGE 14/15 Cashless Parking Machine CiteaPico



What are your requirements?

Solutions from Hectronic allow for flexible and individual combinations. CityLine combines all components of your parking management to one big unit.



AUTHORIZE

Control of permission to enter and exit made easy: With our ANPR solution, based on automatic number plate recognition, the authorization allows for quick, safe and economic handling.

CityLine Services:

Interfaces to third-party systems

PAGE 8/9 ANPR Authorization Solutions

SURVEILLANCE

Cloud-based system for parking time surveillance to optimize the utilization of your parking spaces: In real time by means of camera and/or sensors.

CityLine Services:

Parking Space Operation | Number Plate Operation | Interfaces to Third-Party Systems

PAGE 16/17 Surveillance System HecSpot



Your Benefits

- ✓ Sustainable and a secure investment
- ✓ User-friendly operation and online assistance
- ✓ Access around the clock – with tablet, smartphone and notebook
- ✓ Flexible extension and individual configuration
- ✓ Tool for your process optimization
- ✓ Open for third-party systems
- ✓ Highest security standard
- ✓ SaaS-solution (Software as a Service)



CityLine – the Control Centre that Grows with Your Requirements.

Management Software CityLine

The browser-based management software convinces by easy operation, highest security standards and offers valuable support for your parking management. CityLine is a cross-platform solution which can be operated with tablet, notebook or smartphone.

The availability of the end devices in the field is monitored in real time and visualized for a lucid workplace. Each warning or error message is shown without delay and transmitted to the service staff (if necessary).

CityLine – Tool for your Process Optimization

With CityLine processes such as service assignments and pick-up routes can be analysed, evaluated and optimized. Furthermore, CityLine supplies valuable indicators for your tariff design and optimization.

Scope of Functions on Management Level:

- ✓ **Configuration:** Setting and modification of parameters and tariffs
- ✓ **Statistics and Indicators:** Parking revenues, parking time, card transactions, manual or automatic export
- ✓ **Real-time Status Display:** Live monitoring of end devices
- ✓ **Installation:** No installation required

CityLine Services

Page 6/7

Flexible extension by current services:

Your CityLine scope of functions can be flexibly extended at any time. The web-based CityLine Services offer greater convenience during the payment process and user-friendly options for monitoring parking spaces.

CityLine Mobile for iOS and Android.



CityLine combines all areas and components to one big unit:



AUTHORIZE:

Assign and manage permission to enter and exit, realizable in connection with ANPR (automatic number plate recognition), cameras, see **Page 8/9**

PAY:

PSP services with coins, debit or credit cards, banknotes, mobile authorization or contactless without PIN pad. Realizable in combination with the Citea family, see **Pages 10-15**

SURVEILLANCE:

Surveillance of parking space for the efficient use and value creation of your parking areas – realizable in combination with HecSpot and pay station Citea and CiteaPico, see **Page 16/17**

Further information on management software:
www.hectronic.com/cityline

CityLine Services – Flexible Addition of Up-to-Date Payment and Surveillance Functions.

PAY



Free Parking

Free parking for parking space users: The identification is always made via number plate. The free parking time is defined in several intervals per day and allows for free parking in these periods.

If the free parking time is exceeded the parking space user can pay the additional parking fees, e.g. in combination with the optionally available service “number plate operation”.



Real-time Parking

Only when the parking time ends the parking fees are determined on the basis of the actual parking time.

The recording of the parking time begins with the check-in and ends exactly when the parking space user checks out again with their identification card. Only then the precise parking fee is calculated and securely debited from the driver's account.



Dynamic Discount

Reduced parking fees for residents and authorized parking space users.

Regular customers and registered parking space users prove their identity, e.g. via ID-card, and benefit from a customized discount.



Violation Ticket Service

Allows the payment of penalty fees for parking violations directly at the parking ticket machine.

The driver enters the reference number into the parking ticket machine and directly pays the penalty fee. The reference number of the penalty notice is either generated by CityLine or by the service of a third-party provider.

The penalty fees for parking violations can be conveniently set in the back office and updated at any time.



Digital Receipt

Retrieve the receipt for parking fees paid online and save as PDF-file. This service allows parking space users to access receipts online.

By entering the card number and the number plate an overview of all relevant parking activities is shown. The parking space user can download the receipt as a PDF-file.

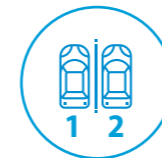
AUTHORIZE

ANPR – automatic number plate recognition



Camera-based authorization solutions, see page 8/9

SURVEY



Parking Space Operation

Transfer of parking space occupancy from parking ticket machine to back office in real time.

The parking space user enters their parking bay number with the payment. On this basis the parking time and possibly its exceedance can be monitored.



Interfaces to Third-party Providers

Do you cooperate with an enforcement partner and use its peripheral devices?

No problem. Via this interface all systems of third-party providers, e.g. number plate services and camera systems, can be integrated.

Developed with a generic code the data exchange with devices already in use can be implemented!



Number Plate Operation

Transfer of the number plate from parking ticket machine to back office in real time.

The parking space user enters the number plate as means of identification for the payment. Via number plate the parking time and possibly its exceedance can be monitored.





Your Benefits

- ✓ Optimized surveillance of parking space
- ✓ Quick authorization
- ✓ Automatic management: User errors or manipulation are excluded
- ✓ Complete documentation of the use and users of your parking areas
- ✓ Open for third-party systems
- ✓ Highest security standard
- ✓ Comprehensive after-sales service: Support hotline, employee training and repair centre

ANPR – Quick, Secure and Economic Authorization.

ANPR - automatic number plate recognition

Camera-based authorization solution depicted by the management software CityLine. The use of ANPR offers convincing benefits: Quick - the authorization is checked while the vehicle is approaching and granted or denied within fractions of seconds. Secure - operating errors or manipulations are excluded. Furthermore, the system saves all relevant information on the use of your parking spaces and the users. Efficient - the authorization is granted automatically; unmanned and without further end devices.

Functional Principle

1. Access: The camera automatically recognizes the number plate of the moving vehicle.

2. Authorization: The payment process is performed after the parking process is finished and can be depicted by Hectronic payment solutions.

3. Exit: When leaving the number plate is scanned again. If there is an authorization the release will be granted and the parking process successfully completed. If there is no authorization the set of data concerned will be provided to the supervisory authority resp. the (optional) barrier remains closed.



Pages 4-7

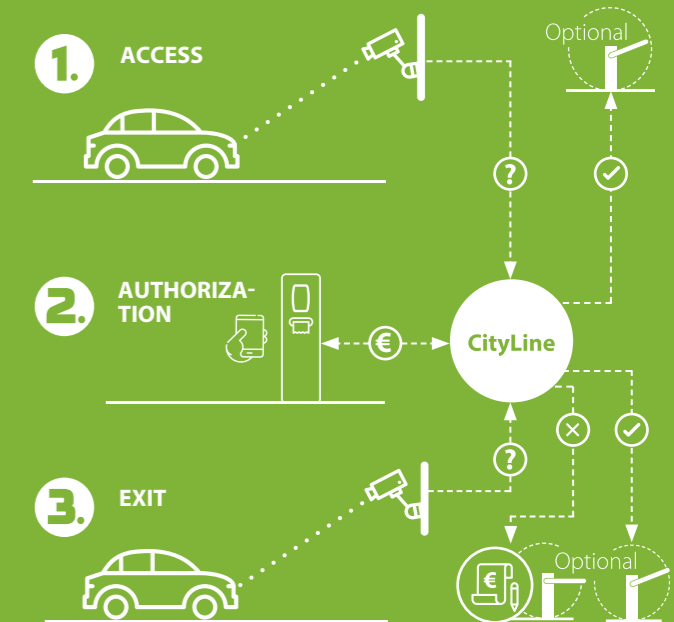
Remote Management and Central Administration:

The management software CityLine visualizes configuration, statistics, indicators and real-time status display on administrative level.

Further available CityLine Services:

- ⊕ Interfaces to Third-party Providers

Functional principle ANPR:



Possible Applications of Authorization Solutions with ANPR



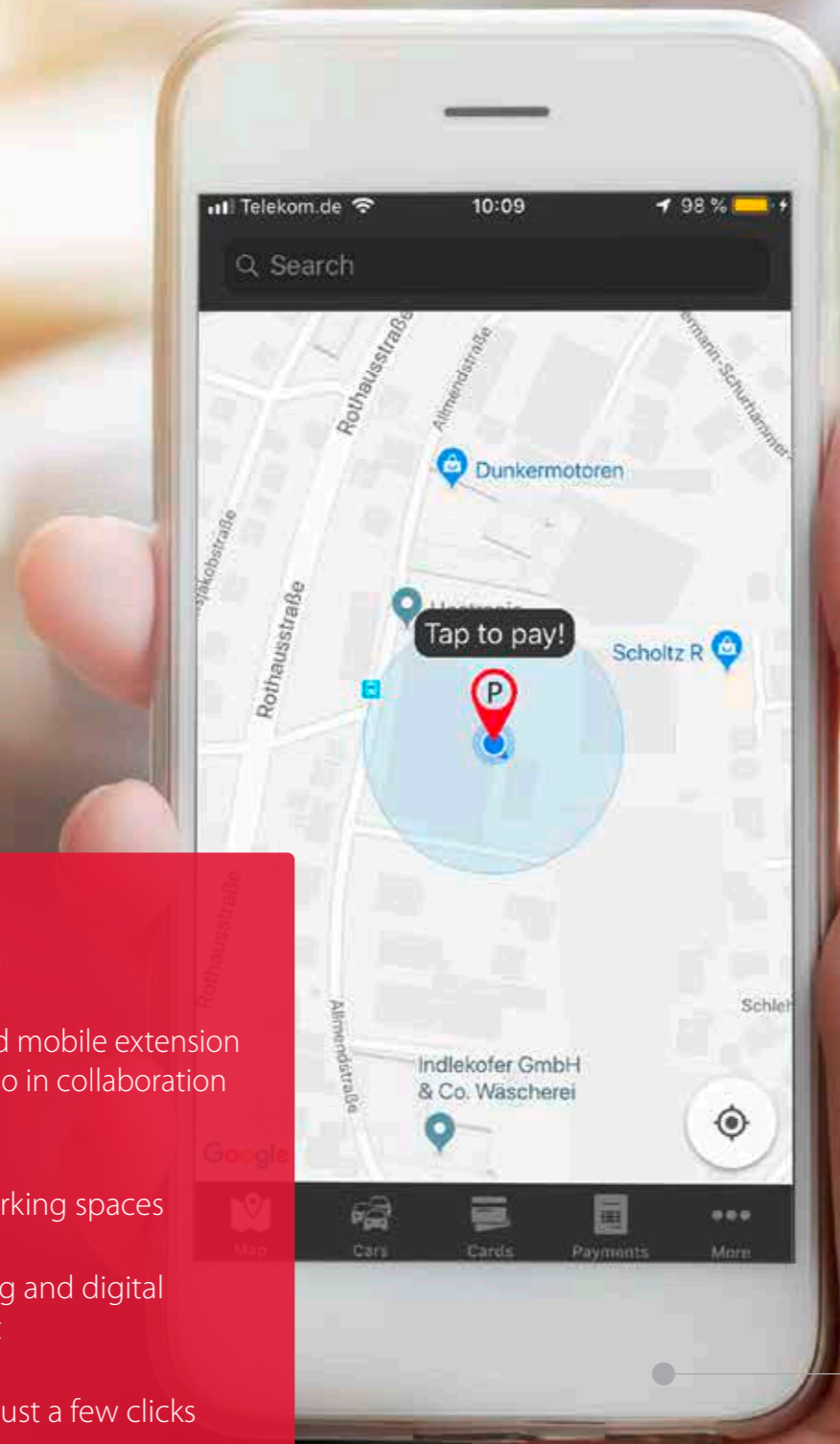
Residential Parking or Parking Space Subscription: Authorization or PSP services for residents by subscription or dynamic tariffs.

Hotels, Shopping Centres and Amusement Parks: Authorization, documentation and user-friendly processing of payment for your customers and authorized users.

Managed Parking Spaces and Airport Parking: Efficient payment processing, cash- and ticketless.

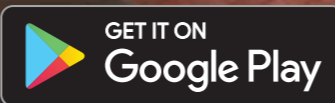
Parking Space for Employees and Visitors: Automatic and self-sufficient system for authorization of your employees and visitors, including continuous documentation of parking space usage.

Further information on ANPR Authorization solutions:
www.hectronic.com/anpr



Your Benefits

- ✓ Mobile payment and mobile extension of parking time – also in collaboration with Citea
- ✓ Overview of free parking spaces
- ✓ Minute-based billing and digital ticket management
- ✓ Parking ticket with just a few clicks
- ✓ Open for third-party systems
- ✓ High degree of individualization and extension of white-label-solution up to city-app (design, function, usage rights)



CiteaGo – Mobile Payment of Parking Fees, no Cash, no Tickets.

Payment App CiteaGo

Parking space users install the app free of charge on their personal smartphone.

If the payment is processed via app the identification is carried out on the basis of the number plate or parking bay number. The latter is entered by the parking space user via the intuitive app-surface. A click starts the parking process. The payment is made cash- and ticketless by credit card.

The parking space user always keeps an eye on the remaining parking time and can flexibly extend it by a click.

Direct the Parking Search Traffic with CiteaGo

Once the app is installed CiteaGo supports the drivers during the search for a parking space by showing the parking space situation in the near surroundings and guiding them to free spaces. Registration is not mandatory for this purpose.



Pages 4–7

Remote Management and Central Administration:

The management software CityLine visualizes configuration, statistics, indicators and real-time status display on the administrative level.

CityLine Services:

- ⊕ Free Parking
- ⊕ Real-time Parking
- ⊕ Violation Ticket Service
- ⊕ Dynamic Discount
- ⊕ Digital Receipt



Individual Configuration Options up to the City App



Standard Solution:

Neutral Hectronic design (ex works).

Your Individual Design:

Individualization of look & feel by integrating your logo and corporate design.

Customer-Specific Functions:

With CiteaGo many further functionalities can be integrated and displayed.

Assignment of User Rights:

With CiteaGo different users can be created and configured. In this way special usage rights can be assigned, e.g. to residents of selected neighbourhoods or districts.

Further information on mobile payment systems:
www.hectronic.com/citeago



Your Benefits

- ✓ Optical elegance and sturdiness
- ✓ Easy and intuitive operation
- ✓ Highly suitable for individualization (function and design)
- ✓ Structured inner workings
- ✓ Remote maintenance at any time and from any place via cloud
- ✓ Comprehensive after-sales service: Support hotline, employee training and repair centre

Citea – All You Need for PSP Services.

Parking Ticket Machine Citea

Thanks to its modular design and flexible system components the Citea allows for flexible configuration according to your needs and requirements. In the management of gated parking spaces the Citea can put its advantages as a pay station to full use.

You can always rely on excellent quality and reliability. Not the least due to its sturdy aluminium housing the Citea has proven itself thousands of times - cities and municipalities worldwide count on the flexible system.

In combination with CiteaGo Citea offers parking space users a particularly comfortable way to process payments. The parking time can be conveniently extended from anywhere.

Citea as a Universal Pay Station

Citea can be adapted as a universal pay station and utilized wherever (entrance) fees are charged.



Pages 4-7

Remote Management and Central Administration:

The management software CityLine visualizes configuration, statistics, indicators and real-time status display on the administrative level.

CityLine Services:

- ⊕ Free Parking
- ⊕ Real-time Parking
- ⊕ Violation Ticket Service
- ⊕ Dynamic Discount
- ⊕ Digital Receipt



Citea, equipped with LCD display

Individual Configuration Options for Parking Ticket Machine Citea



Security:

Anti-graffiti coating, vandalism protection, safe for self-locking coin cassette, compartment for banknotes.

Display and Communication:

TFT-touch- or LCD-display, language selectable, 2G-/4G-modem communication, LAN-connection.

Payment Option and Operation:

Coins, optional with banknote reader, cashless systems (debit and credit card, with/without PIN-pad, contactless unit), ticketless, mobile payment authorization (e.g. CiteaGo)

Environment-friendly:

Solar supply with 14.2 Wp (internal), optional also with 39 Wp (internal and external), optimized for weak light.

Further information on payment systems:
www.hectronic.com/citea



Your Benefits

- ✓ Cashless und ticketless
- ✓ Cost-efficient to purchase, economic and little prone to breakdowns during operation
- ✓ Elegant, robust and customizable housing
- ✓ Easy handling and flexible use thanks to two-component design
- ✓ Remote maintenance at any time and from any place via cloud
- ✓ Comprehensive after-sales service: Support hotline, employee training and repair centre

CiteaPico – Cashless, Economic, Good. Parking Machine with Head and Foot.

Cashless Parking Machine CiteaPico

The future begins now. Here comes the cashless parking machine - a solution with head and foot.

Functional, economic, sustainable - corresponds to the "zeitgeist" and fits elegantly into modern cityscapes.

Customers can pay by card or contactless with mobile phone. The user guidance is realized by a large and very robust touch display. Upon successful payment process the ticket can be issued by SMS or e-mail. In combination with CiteaGo the parking time can be conveniently extended from anywhere.

Everything It Takes (But Nothing More)

The CiteaPico is small and compact, thus cost-efficient to purchase and economic to operate. After all, it is not necessary to replace paper rolls or coin boxes. With fewer rides personnel costs can be reduced. If, however, maintenance becomes necessary the upper part, i.e. the head of CiteaPico, can be exchanged by one turn.



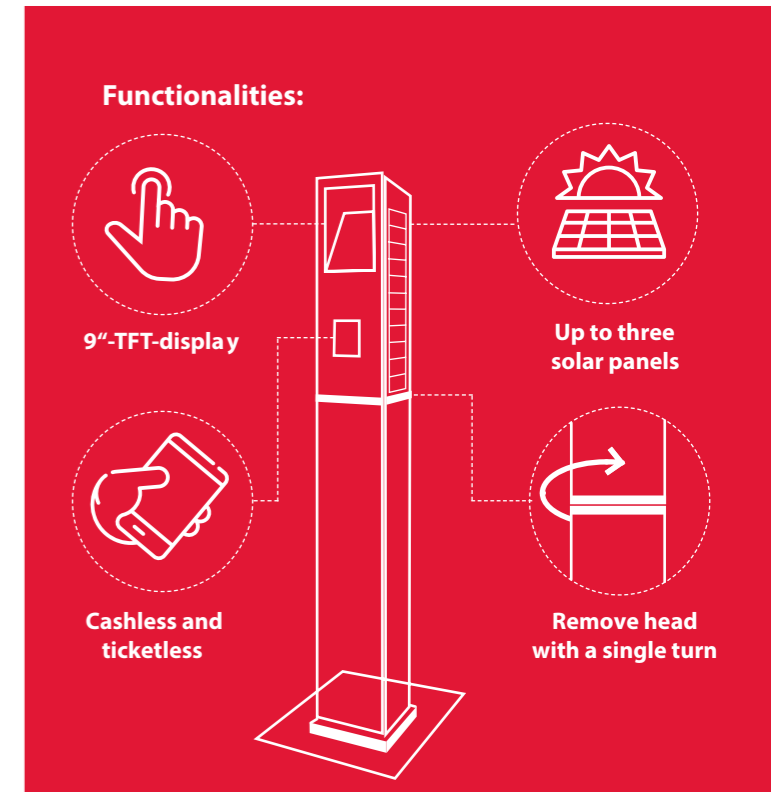
Pages 4-7

Remote Management and Central Administration:

The management software CityLine visualizes configuration, statistics, indicators and real-time status display on the administrative level.

CityLine Services:

- ⊕ Free Parking
- ⊕ Real-time Parking
- ⊕ Violation Ticket Service
- ⊕ Dynamic Discount
- ⊕ Digital Receipt



Individual Configuration Options for Parking Machine CiteaPico



Payment Options

Cashless with card terminal or contactless unit, ticketless, mobile payment authorization (e.g. CiteaGo).

Two-Component Design

The independent components (head and foot) allow for flexible integration into the street furniture.

Individual Design

Housing color selectable, optionally with advertisement.

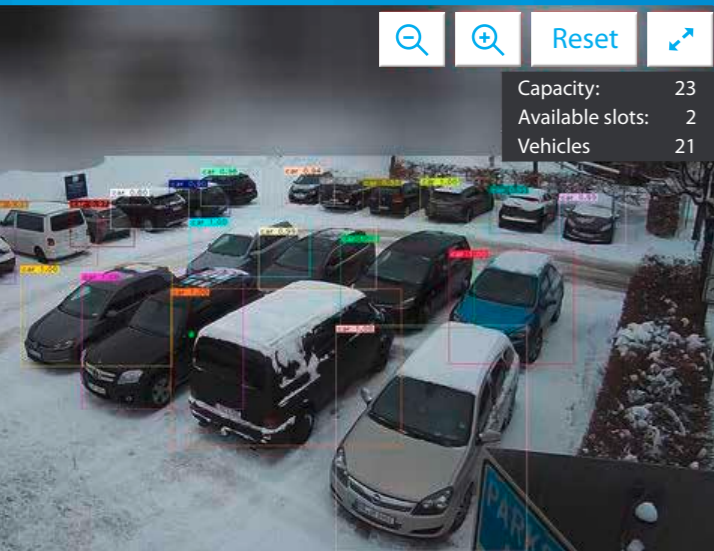
Display and Communication

9"-TFT-Display, touch flow and language configurable, 2G-/4G-modem communication or LAN connection.

Power Supply

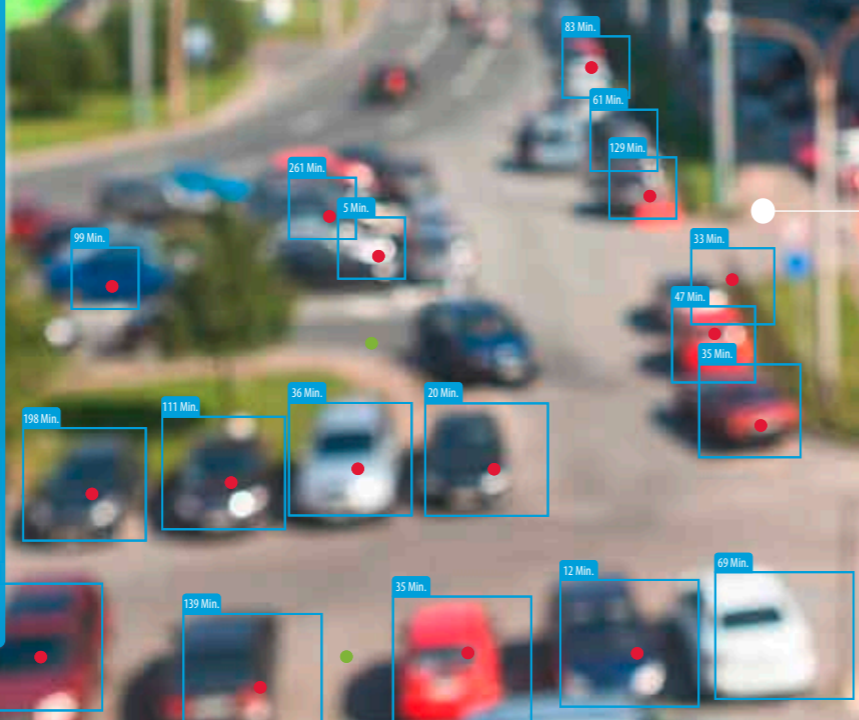
Up to three solar panels (14 Wp each), at the side of the head housing, battery (28 Ah) in the foot.

Further information on cashless parking machine
www.hectronic.com/citeapico



Your Benefits

- ✓ Detect and identify parking space utilization in real time, increase efficiency
- ✓ Utilization even at night or with snow-clad parking spaces
- ✓ Dynamic use of tariffs
- ✓ Cost-savings by targeted parking space inspections
- ✓ Less search traffic and noise pollution
- ✓ Quick installation
- ✓ Open interface for the automatic transmission of occupancy data
- ✓ Comprehensive after-sales service: Support hotline, employee training and repair centre



HecSpot – The Decisive Glimpse Ahead.

Surveillance System HecSpot

The cloud-based surveillance system HecSpot provides real-time information on the parking space occupancy to your PC or smartphone and valuable forecasts for the parking space occupancy to be expected.

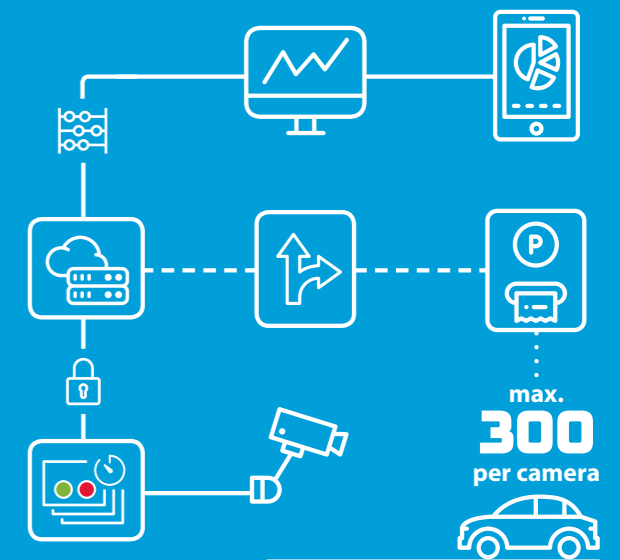
This knowledge can be used for controlling the parking search traffic and parking space inspections but also to optimize the economic efficiency of your object, e.g. by a dynamic use of tariffs.

Functional Principle

Surveillance cameras generate the database and send snapshots to a cloud-based server with algorithmic processing.

An interface allows for the data communication with third-party systems. Feasible are parking space information signs, guidance systems or apps. As a pay station the Citea can be integrated and individually configured (see diagram on the right).

Functional Principle HecSpot:



Application Scenarios HecSpot



HecSpot + Camera/Sensor + CityLine:

Parking space occupancy in real time, incl. display of parking duration. Provision of statistics and resulting tendencies for the parking space occupancy.

HecSpot + Camera/Sensor + CityLine + Citea:

Additional real-time surveillance of your parking space and resulting identification of paid parking bays and parking bays without ticket.

HecSpot + Camera/Sensor + CityLine + Traffic Guidance Systems (Third-party Systems):

In addition, information from the parking space surveillance is transmitted to the traffic guidance system and displayed to control the parking search traffic.



Pages 4–7

Remote Management and Central Administration:

The management software CityLine visualizes configuration, statistics, indicators and real-time status display on the administrative level.

CityLine Services:

- ⊕ Parking space operation
- ⊕ LPN Service
- ⊕ Interfaces to third-party systems

Further information on the surveillance system:
www.hectronic.com/hecspt

We focus on you – promised!

We take care of your special requirements – quickly, flexibly and individually. Our sales partners provide support at eye level and find the optimum solution together with you.

Your Satisfaction is our Goal

Competent, comprehensive, at eye level and in your vicinity - together with you we set up your perfectly attuned parking space management or extend your existing system.

Our solutions from the areas **MANAGE**, **AUTHORIZE**, **PAY** and **SURVEILLANCE** cover the full spectrum and allow for flexible and individual combination, integration and scaling.

Our smart software solutions complement the proven hardware components and open up new possibilities with respect to economic efficiency and user-friendliness.

As a reliable partner we stand for solutions with added value and invest into the development of new and practicable systems you can rely on - your satisfaction is our goal. For 50 years solutions from Hectronic have been standing for quality. We wish to keep it that way!

Security and Reliability

It is our goal to be your helpful contact partner – at any time, on site at your location, before and after sales.

We support you worldwide with competent advice and through our reliable support hotlines. An international service and distribution network with over 70 partners provides you with absolute security and reliability – always in your vicinity.

Our repair centre is specialised in repairs, guarantee and warranty claims and their prompt processing.

Trainings by Hectronic qualify your staff to make full use of and apply the potential of Hectronic's technology.

Numerous operators with different application scenarios rely on our solutions:

- **Cities and Municipalities**
- **Multi-storey Car Parks (public/private)**
- **Hotels and Restaurants**
- **Shopping Centres and Amusement Parks**
- **Airports**
- **Hospitals**

See references:
www.hectronic.com/references



Hectronic GmbH

Allmendstraße 15
D-79848 Bonndorf
Tel. +49 7703 93 88-0
mail@hectronic.com

Hectronic Schweiz AG

Aarauerstraße 69
CH-5200 Brugg
Tel. +41 56 46074-74
mail@hectronic.ch

Hectronic Austria GmbH

Hobelweg 4
A-4055 Pucking
Tel. +43 7229 23808-0
mail@hectronic.at

Hectronic Vertriebs- und Service GmbH**Branch Office RheinRuhr**

Paul-Reusch-Straße 10
D-46047 Oberhausen
Tel. +49 208 40952-00
info@hectronic.de

Branch Office North

Parallelweg 30
D-28219 Bremen
Tel. +49 421 696814-00
info@hectronic.de

Branch Offices East

Carl-Scheele-Straße 16
D-12489 Berlin-Adlershof
Tel. +49 30 6392526-0
info@hectronic.de

Handelsplatz 4
D-04319 Leipzig
Tel. +49 341 561113-53
info@hectronic.de

Hectronic France

5, Boulevard de Créteil
F-94100 Saint Maur des Fossés
Tel. +33 1 418111-12
mail@hectronic.fr

Hectronic Polska Sp. z o.o.

Bór 164
PL-42-200 Częstochowa
Tel. +48 34 3697373
mail@hectronic.pl

Hectronic India Retail & Parking Automation Pvt. Ltd.

No. P6, 1st Cross, 3rd Stage
IND-560058 Bangalore
Tel. +91 80 283633-08
mail@hectronic.in

Your sales partner: