

Si-V6

PARKING BARRIER GATE

Fast, reliable vehicle access control
with patented Korean technology.

**IP54 · 8 MILLION
CYCLES**



FAST
0.9 s OPENING



BOOM
UP TO 6 m



MOTOR
24V Brushless



PATENTED
Self-Locking

Si-V6

INTELLIGENT PARKING BARRIER GATE

The Sigma Si-V6 is a state-of-the-art parking barrier gate that reshapes vehicle access control with high efficiency and dependable security. Engineered for seamless entry and exit, it pairs advanced Korean motor technology with a durable, compact build for smooth, long-life performance — a future-ready solution for car parks, commercial sites, and high-traffic entrances.



Seamless
Entry & Exit



Durable
Korean Build



Future-Ready
Control

24V BRUSHLESS MOTOR



KEY FEATURES

ENGINEERED FOR RELIABILITY & EASY MAINTENANCE



ADJUSTABLE MECHANISM

left/right boom direction
interchangeable on site



CRANK-ROCKER TRANSMISSION

compact, rigid structure
for easy maintenance



AUTO SELF-LOCKING

engages when boom is
horizontal or vertical



20% FEWER PARTS

fewer components,
lower defect rate



PATENTED TECHNOLOGY

proven Korean engineering



LED STATUS LIGHT

clear green/red
passage indication



PATENTED DESIGN



SIGMA
GATE BARRIER SYSTEM

ENGINEERED FOR
SMART PARKING CONTROL

FUNCTIONS

INSIDE THE Si-V6



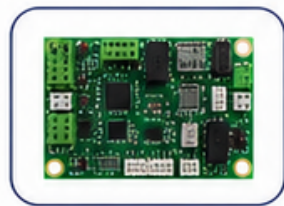
24V BRUSHLESS MOTOR

planetary gear reducer with
PID closed-loop control;
low noise, minimal heating,
oil-leakage-free



TRANSMISSION STRUCTURE

concise mechanism, very low
failure rate, keyless design,
ductile-iron spindle base



CONTROL PANEL

digital chip control,
rated up to 85°C,
failure-detection alarm



BALANCING SPRING

durable, ergonomic,
easy tension adjustment



BOOM CONNECTOR

anti-collision auto-detach
protects vehicle and gate



OPTIONAL LED STRIP

color switches
with gate state

LED STATUS

green = pass,
red = stop

MAINTENANCE-FREE



KOREAN TECHNOLOGY



www.wesigma.net



info@wesigma.net

TECHNICAL SPECIFICATIONS

Si-V6 · PARKING BARRIER GATE

Housing Dimensions	340 × 278 × 1020 mm
Bar Length	standard 5.8 m straight arm (customizable)
Power Consumption	150 W
Power Supply	220V ±10% 50/60 Hz
Operating Temperature	−30°C to +85°C
Mechanism	Vertical (single spring)
Housing Thickness	1.5 mm
Motor	24V Brushless 2-phase full-copper DC, DC150W/AC125W
Opening/Closing Speed	1.2 s–6 s (adjustable by arm type)
Life Cycle	8 Million Cycles
Protection Level	IP54
Remote Control Range	≤30 m
Railing Size	folding ≤5 m, rack ≤5 m, straight ≤6 m
Communication	Dry Contact / RS485

BOOM DIRECTION INTERCHANGEABLE

L – case left,
boom right



R – case right,
boom left

IP54 · 8M CYCLES



SIGMA
GATE BARRIER SYSTEM

ENGINEERED FOR
SMART PARKING CONTROL

APPLICATION

ONE GATE · MANY BOOM OPTIONS

5 BOOM OPTIONS



1 3 m STRAIGHT BOOM

0.9 s

High-traffic sites:
expressways, business
centers, commercial
buildings, airports,
seaports, transport stations.



2 4.5 m STRAIGHT BOOM

2.5 s

High-traffic wide lanes
suitable for sites with
heavy vehicle throughput.



3 6 m STRAIGHT BOOM

4.5 s

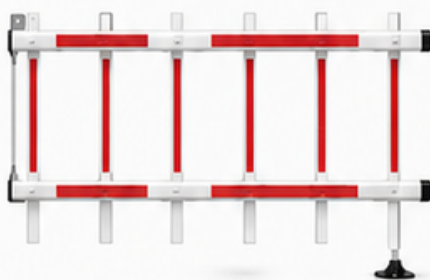
Low-traffic wide lanes:
industrial parks, apartments,
government, public institutions.



4 90° FOLDING BOOM

1 s

Low-ceiling underground
parking and locations with
limited ceiling height.



5 FENCE / ARTICULATED BOOM

2-3 s

Supports 3 m and 4 m boom lengths
while providing increased pedestrian
deterrence.



KOREAN TECHNOLOGY



www.wesigma.net



info@wesigma.net



SIGMA
GATE BARRIER SYSTEM

**ENGINEERED FOR
SMART PARKING CONTROL**

SYSTEM PRODUCTS

COMPLETE PARKING ECOSYSTEM



UHF READER



LPR CAMERA UNIT

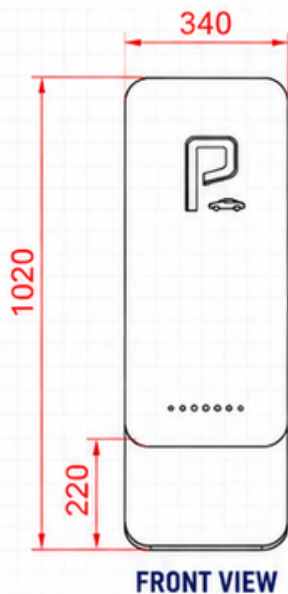


TICKET BOX

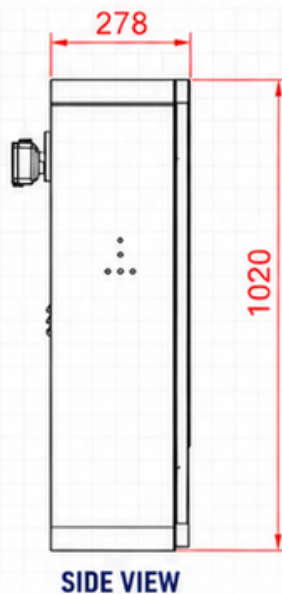


**SELF-SERVICE
PAYMENT TERMINAL**

DIMENSIONS (mm)

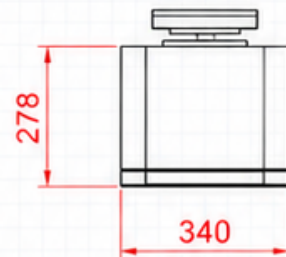


FRONT VIEW



SIDE VIEW

All measurements in millimetres
· Drawings not to scale



STEEL BODY



KOREAN TECHNOLOGY



www.wesigma.net



info@wesigma.net