Specification sheet

CP4
Big capacity multi lane parking access access control system

SOYAL

Access Control System

Date: 23 June 2015, Revision: V3

Description

Management can define more extensive access permission who is allowed to come in at which barrier lane and at what time. Support global **anti pass back** function across all reader units. Support scheduled auto reset of anti-pass back. Support up to **15,000 cards**, 120 holidays and 63 time zones. Each user can be assigned an **expiry date** (for paid season parking or easy for condominium management team collect monthly maintenance fee). Support optional "Car park FULL" or "Car park EMPTY" indicator. System can generate alarm alert if reader is damaged or being removed. All user profile is kept in the PC software for ease of maintenance.

During entry or exit, flash the proximity card in front of the reader. Upon identity verification, the controller will trigger the barrier gate to open. Reader rejects expired or invalid user.

SoyalEtegra SACC software offer clean GUI instead of crowded the screen with unnecessary functions. Security guard or operator with minimum IT knowledge will be able to operate the software easily. SACC allow user friendly interface to add / edit / delete users. SACC offer extensive reporting to help tracks for evidence in the event of crime. SACC also offer CCTV picture capture function that takes a snapshot for every valid read as visual evidence for future audit.
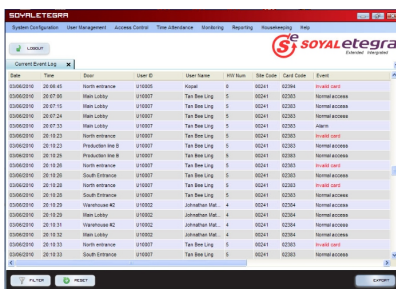
Clean interface easier to use.

User profile
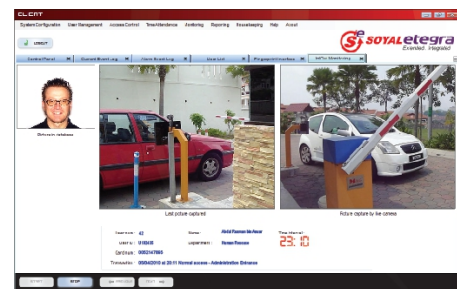
Capture entry/exit snapshot of every users

Ideal parking access solution for big commercial building, high end condominium, enterprise factory where it require total integration with complete door access and total building security system.

Ordering Information

Each CP4 system consists of one Main system (CP4M) and multiple Reader unit (CPR). Controller of CP4M is installed inside guard house is connected to PC for user profile and access control management via software. Multiple CPR is connected to CP4M to read cards from user. There are 3 choice of reader unit depending on the reading range (short, medium, long).

Main System Unit

Model: CP4M

Qty	Equipment
1 pcs	SOYAL AR716E network controller
2 pcs	MAG BR618T barrier gate w/ loop detector
1 pcs	SOYAL AR321CM (includes software)
2 pcs	Relay with base
1 pcs	NVS1230P power supply with backup battery

Recommended Surge Protector for Main System

Qty	Equipment
1 pcs	TPLAN - Data
1 pcs	PSP12 - 12V DC
3 pcs	C-240AC - AC230
2 pcs *optional*	TPLAN - Data

Short range

Affordable short range reader (8 cm). User wind down car window to flash card. This allows CCTV to record person inside the car and help guard to verify any suspicious identity.

Model: CPR4

Qty	Equipment
1 pcs	SOYAL AR721H reader
1 pcs	MAG Gooseneck

Recommended Surge Protector

| Qty	Equipment
1 pcs	PD12/7.5

Medium Range

Best value mid range reader (70 cm-120cm). Reading range depends of solar film used. User no need wind down window; just flash the card from the comfort inside the car. It is more convenient and eliminates the problem of hand getting wet during raining.

Model: CPR2

Qty	Equipment
1 pcs	MAG AR200U reader
1 pcs	12V relay with base
1 pcs	MAG Gooseneck
1 pcs	Weatherproof box
1 pcs	Mounting bracket

Recommended Surge Protector

Qty	Equipment
1 pcs	PD12/7.5
1 pcs	PSP24
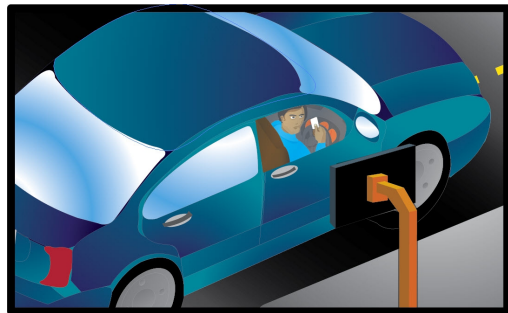
Click here for video demonstration

Long range

AR300U Xclone is an ultra high frequency (UHF) long range reader that read up to 10 meter (free air reading) depends on the type of solar film installed on car, interference at site and proper card reading angle. AR300U Xclone has been approved by SIRIM to comply to 919Mhz to 923Mhz frequency as required by Malaysia regulation.

Model: CPR3

Qty	Equipment
1 pcs	MAG AR300U Xclone active long range reader
1 pcs	12V relay with base
1 pcs	Metal pole
1 pcs	PVC box

Recommended Surge Protector

Qty	Equipment
1 pcs	PD12/7.5

Click here for video demonstration

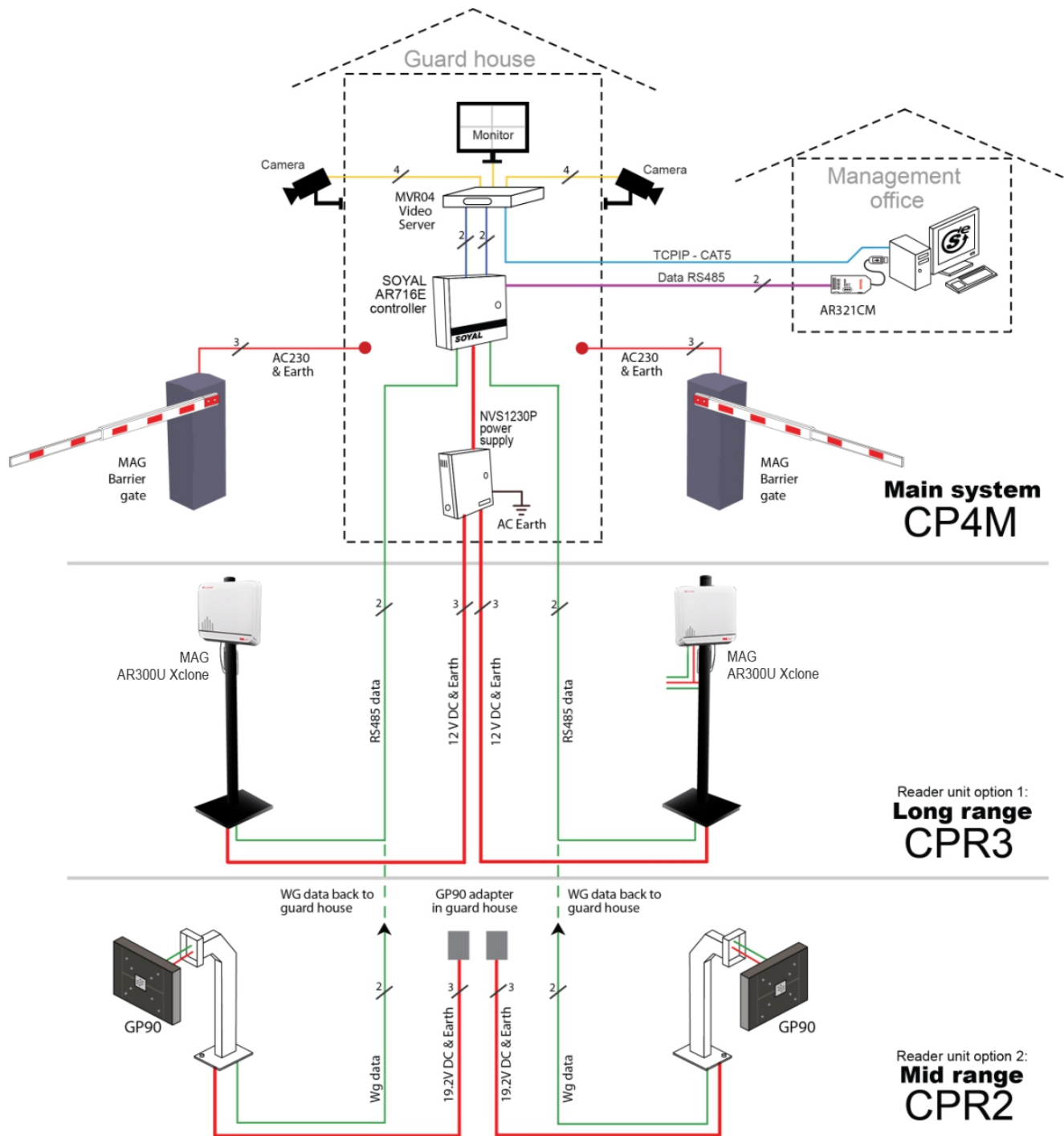## CCTV integration

Qty	Equipment
1 nos	SEPB - SoyalEtegra Professional Basic
1 nos	MVR04 - Magtec 4 ch Video Server

For each parking access control system, you need to select 1 x CP4M and one of the three choices of CPR reader unit. SoyalEtegra Profesional Basic software and MVR04 Video server is optional add on if you wish to have CCTV picture capture.

Short range system installation diagram

Guard house

Monitor

Camera — 4 — MVR04 Video Server — 4 — Camera

Management office

2 2 CAT5

SOYAL AR716E controller — Data RS485 — 2 — AR321CM

NVS1230P power supply

MAG Barrier gate — AC230 & Earth — 3 — AC Earth — 3 — AC230 & Earth — MAG Barrier gate

Main system
CP4M

AR721H — 2 — Trigger — 2 — RS485 data — 3 — 12 V DC & Earth — 3 — 12 V DC & Earth — 2 — RS485 data — 2 — Trigger — AR721H

Reader unit option :
Short range
CP4R4
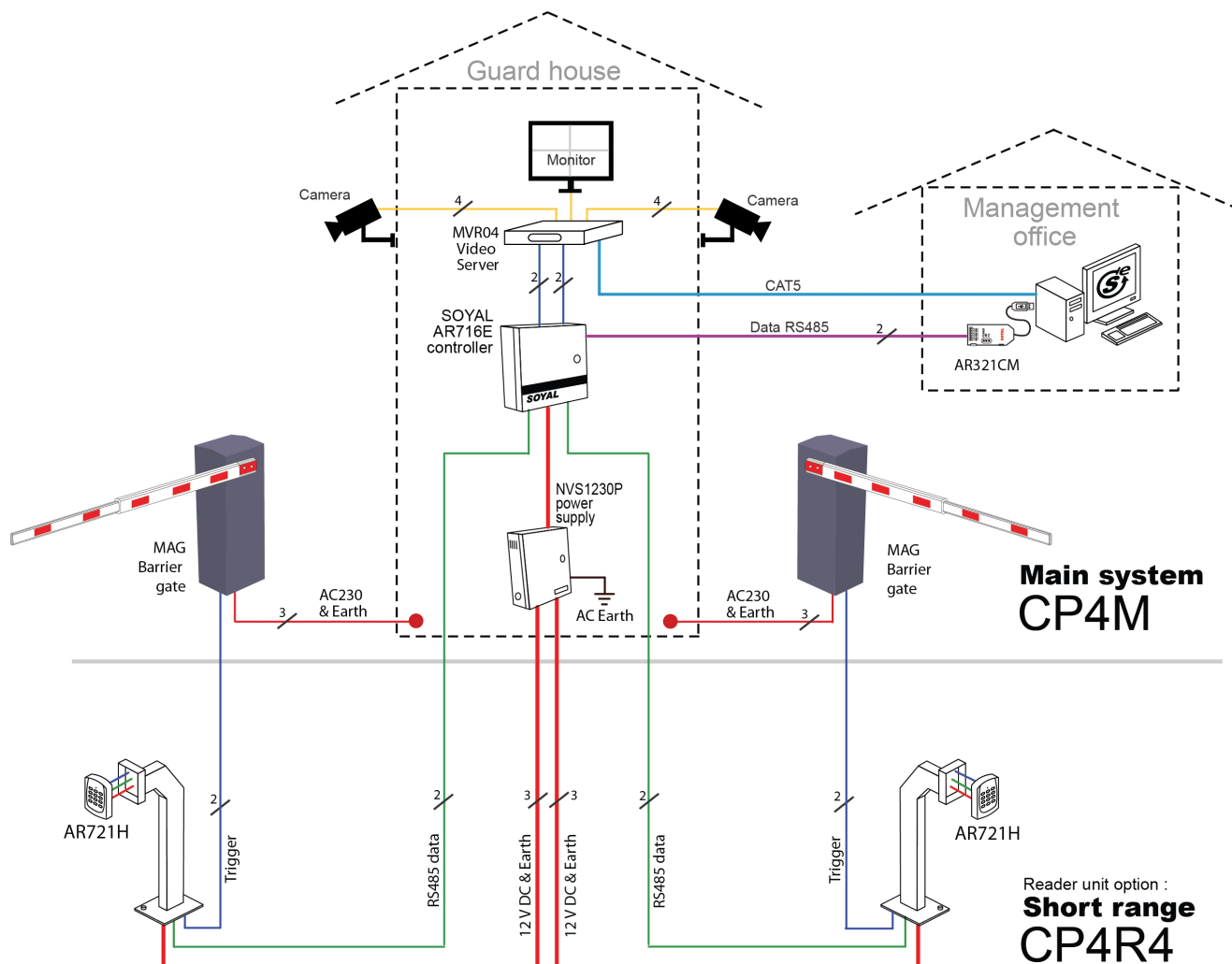
Long and mid range system installation diagram

Guard house

Monitor

Camera 4   MVR04 Video Server   4 Camera

Management office

SOYAL AR716E controller

TCPIP - CAT5
Data RS485   2   AR321CM

3 AC230 & Earth   3 AC230 & Earth

MAG Barrier gate   MAG Barrier gate

NVS1230P power supply

AC Earth

Main system
CP4M

MAG AR300U Xclone

2 RS485 data   3 / 3 12 V DC & Earth   2 RS485 data

MAG AR300U Xclone

Reader unit option 1:
Long range
CPR3

WG data back to guard house   GP90 adapter in guard house   WG data back to guard house

GP90

2 Wg data   3 / 3 19.2V DC & Earth   2 Wg data

GP90

Reader unit option 2:
Mid range
CPR2

*** Nowadays, worldwide weather has changed drastically. Equipment installed outdoor is constantly exposed to lightning surge during thunderstorm. All reader, barrier gate and CCTV installed outdoor is easily damaged by lightning surge therefore it is very important to install surge protection. The problem is more severe for site at hill area. The higher the site, the higher the risk of exposed to lightning surge.*

*** Please consult our technical specialist for more information on proper wiring to ensure no data loss over long distance.*