Professional Access Control
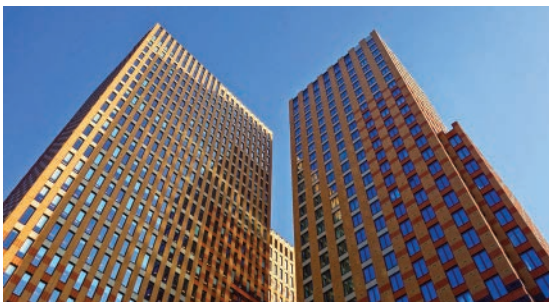## Product Reference Guide

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The all-encompassing surveillance solution
Combine access control & CCTV with VIP Vision

▶ Scaleable access control solutions
Virtually limitless system capacity

VIP Vision™ Access Control delivers building security at any size, capable of cascading up to 255 slave controllers for a total capacity of 2040 doors in a single system.

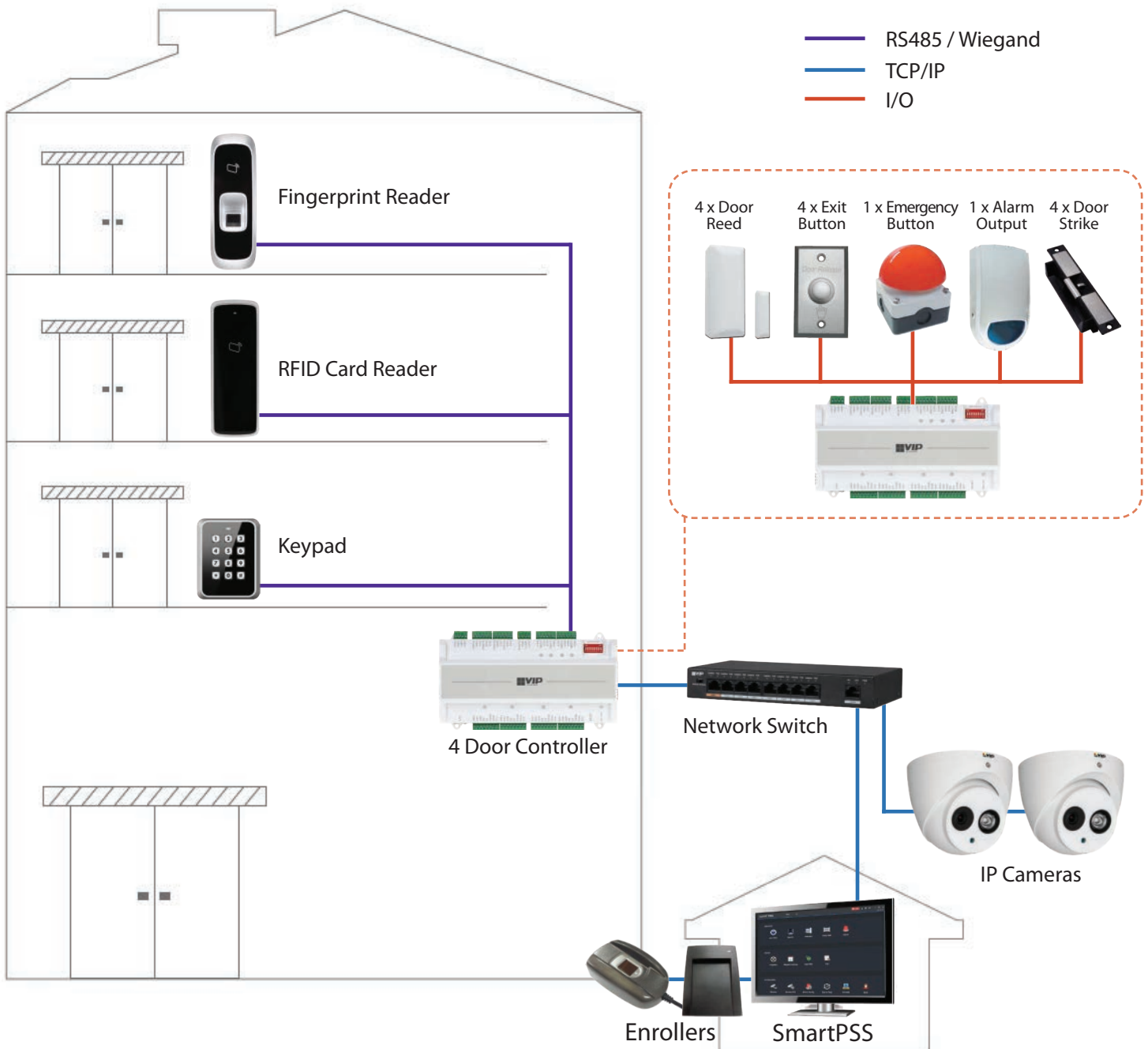## ▶ Professional security functionality
Packed with advanced features

Go beyond standard access control with features such as:

- User management
- Logs & reports
- Video verification
- Multi-door interlock
- Anti-passback

- First card unlock
- Inter-door unlock
- Door timeout warning
- Intrusion alarm
- Duress alarm

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VIP Vision Access Control systems integrate door control, user management, real-time video and time attendance. The all-in-one system can be customised to meet the needs of any managed buildings.

This system can also integrate additional IP cameras, all monitored and operated remotely via the SmartPSS program.

RS485 / Wiegand
TCP/IP
I/O

Fingerprint Reader

RFID Card Reader

Keypad

4 x Door Reed   4 x Exit Button   1 x Emergency Button   1 x Alarm Output   4 x Door Strike

4 Door Controller

Network Switch

IP Cameras

Enrollers   SmartPSS

Comprehensive control.

Professional Series: Wired access controllers for home & business systems

VIP Vision Access Controllers are the central management device for your system. Take full control with user management, event logs, access period scheduling, alarm functions, CCTV integration and much more.

- Store up to 100,000 valid cards & 150,000 records
- Supports RFID card, fingerprint and keycode
- TCP/IP network interface for configuration via PC
- RS485 & Wiegand 34 communication protocols
- Door time-out, intrusion, duress and tamper alarms

- Anti-passback, multi-door interlock, multi-card open
- Support 128 efficient time and holiday schedules
- Watchdog timer to prevent system malfunctions
- Sturdy wall-mounted metal casing *(ACCON-2P only)*
- Backup battery extension *(Sold separately)*

Managed Access Control

Up to 32 Devices Per Controller

Configure via Smart PSS

Full management.

Take control with powerful organisational tools.

The SmartPSS program provides all the tools necessary to configure and monitor your security installation.

• Manage with event logs, department & user management, multi-door lock, anti-pass back, inter-door lock, remote verification and more.

CCTV integration.

Access control with professional surveillance.

The SmartPSS program can view & manage VIP Vision surveillance alongsid eaccess control, creating a fully integrated security solution.

• Use any NVR or camera from VIP Vision's wide range of surveillance solutions.
• Merge both access control & CCTV applications into a single easy-to-use program.

	Model	ACCON-2P22	ACCON-2P41	ACCON-2P42	ACCON-2C41
System	Image				
	Name	2 Door Two-way Access Control Panel	4 Door Access Control Panel	4 Door Two-way Access Control Panel	4 Door Access Controller
	Input Ports	8 (2 x door sensor; 2 x exit button; 4 x alarm input)	9 (4 x door sensor; 4 x exit button; 1 x alarm input)	20 (4 x lock state; 4 x door sensor; 4 x exit button; 8 x alarm input)	9 (4 x door sensor; 4 x exit button; 1 x alarm)
	Output Ports	4 (2 x door lock, 2 x alarm output)	5 (4 x door lock, 1 x alarm output)	12 (4 x door lock; 4 x internal alarm; 4 x external alarm out)	5 (4 x door lock, 1 x alarm)
	Main Processor	32 Bit			
	Memory	16MB			
	Reader Ports	4	4	8	4
	Card Memory	100,000			
	Event Memory	150,000			
Function	Access Control	Anti-pass back, Multi-interlock, Multi-card unlock			
	User Management	General, VIP, Guest, Patrol, Blacklist, Duress			
	Alarm Function	Door time-out, Intrusion, Tamper, Duress			
	Period	Support 128 groups of schedules, 128 groups of periods and 128 groups of holiday periods			
Net.	Ethernet	RJ-45 (10/100Base-T)			
	Reader Interface	RS485 / Wiegand 34			
	RTC	Yes			
Environmental	Power Supply	100V~240VAC			9~15VDC / 500mA
	Operating Conditions	-30° ~ +60° C / Less than 95% RH			
	Housing	Metal			Plastic
	Dimensions	266 x 290 x 87mm		270 x 330 x 90mm	210mm x 98mm x 51mm
	Net Weight	2.0kg			0.5kg

Card, code or fingerprint.

Professional Series: Access control keypads, card readers & fingerprint readers

Have the right solution for any installation with the Professional Series from VIP Vision. Add multiple layers of access control with weather-resistant keypads, RFID card readers and fingerprint readers with stylish, glossy designs.

- Gain access via card, fingerprint scan or keycode
- Use with Door Access Control series for multiple units
- Connect and configure with PC via ethernet cable
- RS485 & Wiegand 34 communication protocols

- Elegant, glossy black finish for professional appearance
- Tamper switch with built-in alarm alerts to vandalism
- LED indicators and backlights for low light visibility
- Weather & vandal resistance *(varies by model)*
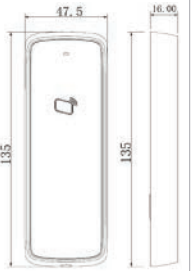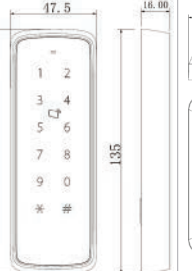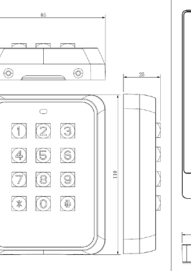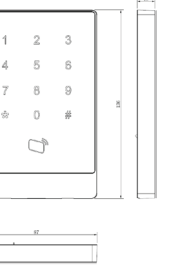
3 Security Options for Access
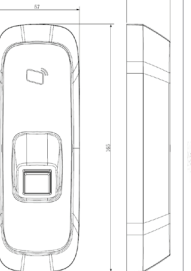
High Visibility LED Backlight

Weather & Vandal Resistance

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	Model	ACRDR-2PC	ACRDR-2SC	ACRDR-2SFC	ACRDR-2SKC	ACRDR-2MKC	ACRDR-2LKC
General	Image						
	Product	RFID Reader	RFID Reader	RFID Reader / Fingerprint Scanner	RFID Reader / Touch Keypad	RFID Reader / Button Keypad	RFID Reader / Large Touch Keypad
	Main Processor	8 Bit					
	Communication	RS485 / Wiegand 34	RS485	RS485 / Wiegand 34	RS485 / Wiegand 34	RS485 / Wiegand 34	RS485 / Wiegand 34
Access	RFID Format	13.56MHz (Mifare)					
	RFID Read Range	≤8cm					
	RFID Read Time	<0.1s					
	Fingerprint Scan	N/A	N/A	3000 capacity, ≤0.00004% FAR, ≤0.15% FRR	N/A	N/A	N/A
	Keypad	N/A	N/A	N/A	12 Touch Keys (0-9, *, #)	12 Button Keys (0-9, *, #)	12 Touch Keys (0-9, *, #)
Function	Audio	Buzzer					
	Light	Blue Backlight					
	Tamper Switch	Yes					
Environmental	Ingress Protection	IP67	IP65	IP55	IP65	IP55	IP55
	Vandal Protection	N/A	N/A	N/A	N/A	IK08	N/A
	Power Supply	9~15 VDC / 100mA	5~16 VDC / 100/300/800mA	9~15 VDC / 100mA	5~16 VDC / 100/300/800mA	9~15 VDC / 100mA	9~15 VDC / 100mA
	Operating Conditions	-30°~+60° C / <95% RH	-30°~+60° C / <95% RH	-5°~+55° C / <95% RH	-30°~+60° C / <95% RH	-30°~+60° C / <95% RH	-30°~+60° C / <95% RH
	Dimensions	72 x 102 x 18mm	135 x 47.5 x 16mm	165 x 57 x 29mm	135 x 47.5 x 16mm	110 x 85 x 26mm	135 x 86 x 12mm
	Net Weight	0.20kg	0.18kg	0.25kg	0.18kg	0.50kg	0.25kg
Diagrams	Installation						

RFID Card Enroller
ACENR-2C

This USB-powered device registers RFID cards into your access control system, and is required to use all RFID scanners in the range.

Fingerprint Enroller
ACENR-2F

This USB-powered device registers fingerprints into your access control system, and is required to use the ACRDR-2SFC.

VIP VISION™

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Contact your local VIP Vision network intercom professional:

www.vip-vision.com