VEX-B21A

Smart Video Outdoor Station

ZKTeco's VEX-B21A is a smart outdoor video station with Android operating system that seamlessly integrates video intercom capabilities with facial recognition, offering a comprehensive access control solution.

The VEX-B21A supports multiple verification methods, including facial recognition, IC card reader, mobile NFC, and PIN code password. This intelligent outdoor station features a 2MP CMOS camera with a 100° wide viewing angle and a white LED supplement light, ensuring clear visuals in all lighting conditions. It is equipped with an H.264 codec for efficient, high-quality video transmission and storage.

Furthermore, the VEX-B21A enables two-way communication with visitors via indoor monitors, facilitating identity verification before granting access. This outdoor station is also equipped with a relay and RS-485 port, allowing it to connect and control door lock, providing versatile connectivity to access control devices.

Features

- 4.3-inch TFT LCD monitor.
- Support Android 4.0.
- Control door access by facial recognition (capacity: 10,000 users).
- Control door access by IC card (capacity: 30,000 users).
- Physical keypad with 16 keys.
- Reached IP65 for water and dust proof.
- CMOS 2MP color camera with 100° viewing angle.
- Support IR sensor and motion detection. A white LED supplement light.
- Control main door unlock and integrates with elevator control system.
- Support SIP 2.0 protocol, integrates with other SIP devices.

Specifications

Physical	
System	Android 4.0
RAM	512 MB
ROM	8 MB
Front Panel	Aluminum
Keypad	Physical keys (16 keys)
Power Supply	PoE (IEEE802.3af) or DC 12V/2A
Standby Power	3 W
Rated Power	10 W
Camera	2MP, CMOS
IR Sensor	Support
Wiegand Port	1
Ethernet Ports	1 x RJ45, 10/100 Mbps self-adaptive
Door Entry	Facial Recognition, IC card, PIN code, NFC
RS485 Port	1
Relay Out	1
Exit Button	1
Door Magnetic	1
Installation	Flush mounting (on flat surface)
Application Environment	Outdoor
Dimension	380 * 158 * 55.7 (mm)
Operating Temperature	-40℃ to +55℃
Storage Temperature	-40℃ to +70℃
Operating Humidity	10% to 90% (non-condensing)
Facial Recognition Distance	≤ 30cm
Certification	IP65 (waterproof and dust resistance)

IC Card Reading Distance	≤ 3cm
Face Template Capacity	10,000
Display	
Display	4.3"TFT LCD
Resolution	480x272
Audio	
Audio Codec	G.711
Echo Cancellation	Yes
DTMF	RFC2833
Microphone	Built-in microphone
Speaker	Built-in speaker
Video	
Video Codec	H.264
Video Resolution	up to 1920 x 1080
Viewing angle	100°(D)
Max. Image Transfer Rate	1080p – 30fps
Supplement Light	LED (White)
Networking	
Protocol	SIP 2.0, UDP, TCP, RTP, RTSP, NTP, DNS, HTTP, DHCP, IPV4, ARP, ICMP
Package features	
Package Content	- VEX-B21A (Power adapter not included) - Flush Mounting Box - Screwing kit - User Manual

Configuration

Support Security Sensors

Zsmart APP
(Optional)

Indoor Monitor
VT07-B22L

Indoor Monitor
VT07-B26L-W

powered supply
by indoor monitor

Door Bell
VE01-B24L

Indoor Monitor
VT10-B21L

Indoor Monitor
VT10-B21A

Electric Lock

Outdoor Station
VEX-B21A

PoE Switch

Management Center
VG10-B21A

Elevator Control
(Web-server Management)

IP Camera

Internet Connection
Note: To use the ZSmart app, please kindly
connect to the wide-area network (WAN).

Ethernet Cable
(TCP/IP)