

VEX-B21L

Smart Video Outdoor Station



ZKTeco's **VEX-B21L** is a smart outdoor video station that seamlessly integrates video intercom capabilities with IC card and NFC, offering a comprehensive access control solution.

The VEX-B21L is equipped with Linux operating system and it supports IC card reading, mobile NFC, and PIN code password for verification. This smart 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-B21L enables two-way communication with visitors via indoor monitors, facilitating identity verification before granting access. This outdoor station is also equipped with a Wiegand, relay and RS-485 port, allowing it to connect and control door locks, providing versatile connectivity to access control devices.

Features

- Equipped with Linux system and a 4.3 inch LCD color monitor.
- IC card for door unlocking (Card Capacity: 60,000 users).
- Physical keypad with 16 keys.
- Reached IP65 for water and dust proof.
- CMOS 2MP color camera with 100° viewing angle
- Control main door unlock and integrates with elevator control system
- Support SIP 2.0 protocol, integrates with other SIP devices

Specifications

Physical	
System	Linux
RAM	64 MB
ROM	128 MB
Front Panel	Aluminum
Keypad	Physical key (16 keys)
Power Supply	PoE (IEEE802.3af) or DC 12V/2A
Standby Power	1.5 W
Rated Power	9W
Camera	2MP, CMOS
Ethernet Ports	1 x RJ45, 10/100 Mbps self-adaptive
Door Entry	IC card (13.56MHz) (Card Capacity: 60,000), PIN code, NFC
RS485 Port	1
Relay Out	1
Exit Button	1
Door Magnetic	1
Wiegand Port	1
Installation	Flush mount (on flat surface)
Application Environment	Outdoor
Dimension	380 * 158 * 55.7 (mm)
Operating Temperature	-40°C to +55°C
Storage Temperature	-40°C to +70°C
Operating Humidity	10% to 90% (non-condensing)
Certification	IP65 (waterproof and dust resistance)

IC Card Reading Distance	≤ 3cm
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	1280 x 720
Viewing angle	100°(D)
Max. Image Transfer Rate	720p – 30fps
Supplement Light	LED (white)
Networking	
Protocol	ONVIF, SIP 2.0, UDP, TCP, RTP, RTSP, NTP, DNS, HTTP, DHCP, IPV4, ARP, ICMP
Package features	
Package Content	- VEX-B21L (Power adapter not included) - Flush Mounting Box - Screwing kit - User Manual

Configuration

