

TD53

All-in-One Video Intercom, Video Security, and Door Access



Overview

Verkada's TD53 Video Intercom is a versatile and multifunctional device featuring video intercom, access control, and security camera capabilities, all in a sleek and durable form factor. The TD53 delivers excellent call quality across diverse environments. Callers can be seen clearly in nearly any type of lighting condition, and both callers and receivers can be audibly heard in highly-trafficked areas.

Organizations can simplify their entry experiences with native and third-party integrations to access control systems. The TD53 is also equipped with a card reader that is compatible with several credential types and technologies. The intercom camera also offers the full recording and analytics functionality of Verkada's security cameras to boost visibility and security at entryways.

The TD53 is great for outdoor deployments and harsh environments. It is immediately recessed mountable on a double-gang box, but a variety of mounting options and accessories facilitate easy installation on almost any surface.

Key features

All-in-one functionality

Combined video intercom, access control, and security camera functionality simplifies and secures the entire entry experience.

High-definition video

5MP camera resolution, Wide Dynamic Range, IR LEDs, and 130° FoV allow a clear visual of high-traffic entryways day and night.

HF, LF, NFC, BLE support

Built-in card reader supports many common high-frequency, low-frequency, NFC, and Bluetooth LE credentials.

Flexible installation

Family of mounts and accessories support diverse installation requirements.

Sharp audio

Four microphones, a DSP, and a 90dB speaker combine to deliver superior noise suppression and echo cancellation for maximum audio clarity on every call.

Built for durability

IP66 and IK08 ratings coupled with a removable lens cover ensure the intercom withstands strong impact and inclement weather.



TD53

Tech Specs

Power and rating

| | | | |
|--------------------------|--|--------------------|--|
| Power Consumption | 37-57V, 0.62-0.40A | Power Input | IEEE 802.3af PoE IEEE 802.3at PoE+ (extended temperature range*) |
| Connectivity | Ethernet: 10/100/1000Mbps RJ-45 cable connector for Network/PoE connection | Rating | IK08, IP66 |

General

| | | | |
|-------------------------------------|---|------------------------------|--|
| Dimensions | Height: 229mm / 9.0in Width: 118mm / 4.7in Depth: 33mm / 1.3in | Operating Temperature | -20°C - 50°C / -4°F - 122°F 802.3af PoE -40°C - 50°C / -40°F - 122°F 802.3at PoE+ |
| Weight | 1.0kg / 2.2lb | Tamper Detection | Yes |
| Included Accessories | Flush mount plate, surface mount box, T10 screwdriver, mounting hardware kit, grommet punch | Separate Accessories | Conduit mount box, angle mount box, trim plate, rain hood, PoE over 2-wire converter |
| Maximum SQ Onboard Retention | 30 days | Warranty | 10 years |
| Onboard Storage | 512GB | Inputs / Outputs | 3x dry inputs 2x dry relays, 30VDC @ 1A (resistive load) 1x RS-485 port |
| Construction | Aluminum, steel, polycarbonate | | |

Dimensions



Compliance and availability

| | | | |
|--------------------------------|---|---------------------|---------------------------|
| Compliance & Safety | FCC Part 15B Class B, ICES-003 Class B, UKCA, RCM, UL/IEC 62368-1, CSA NO22.2 62368-1, UL 294 Listed, CAN/ULC-60839-11-1:2022, Outdoor | Availability | USA, CAN, UK, EU, AUS, NZ |
|--------------------------------|---|---------------------|---------------------------|

Card reader compatibility

| | | | |
|--|---|---|--|
| Controller Compatibility | Runs directly on TD53 intercom or via RS-485 connection to a standalone Verkada access controller | Low Frequency Card Compatibility | HID Prox II 26-Bit (H10301), 37-Bit Wiegand HID H10304, 37-Bit Wiegand HID H10302, HID 35-Bit Corporate 1000 |
| High Frequency Card Compatibility | Verkada DESFire EV3, MiFare / DESFire NFC Card Serial Number | Mobile Credential Compatibility | Verkada Pass app, Apple Wallet, Android NFC |



TD53

Tech Specs

Camera specifications

| | | | |
|--------------------------|-------------------------|----------------------|--|
| Sensor Resolution | 5MP (2688 x 1944) | Iris | Fixed |
| Lens Type | Fixed | Aperture | F2.1 |
| Image Sensor | 1/2.8" Progressive CMOS | Field of View | Horizontal: 130° Vertical: 100° Diagonal: 160° |
| IR Range | 15m / 50ft in low light | Focal Length | 2.12mm |

Audio specifications

| | | | |
|------------------------|--|--------------------|------------------------------------|
| Audio Streaming | Two-way, full duplex with echo cancellation, noise suppression, and adaptive beamforming | Audio Input | 4 omnidirectional MEMS microphones |
| Audio Output | 4W speaker; 90dB SPL at 1m / 3.3ft | | |

Intercom software capabilities

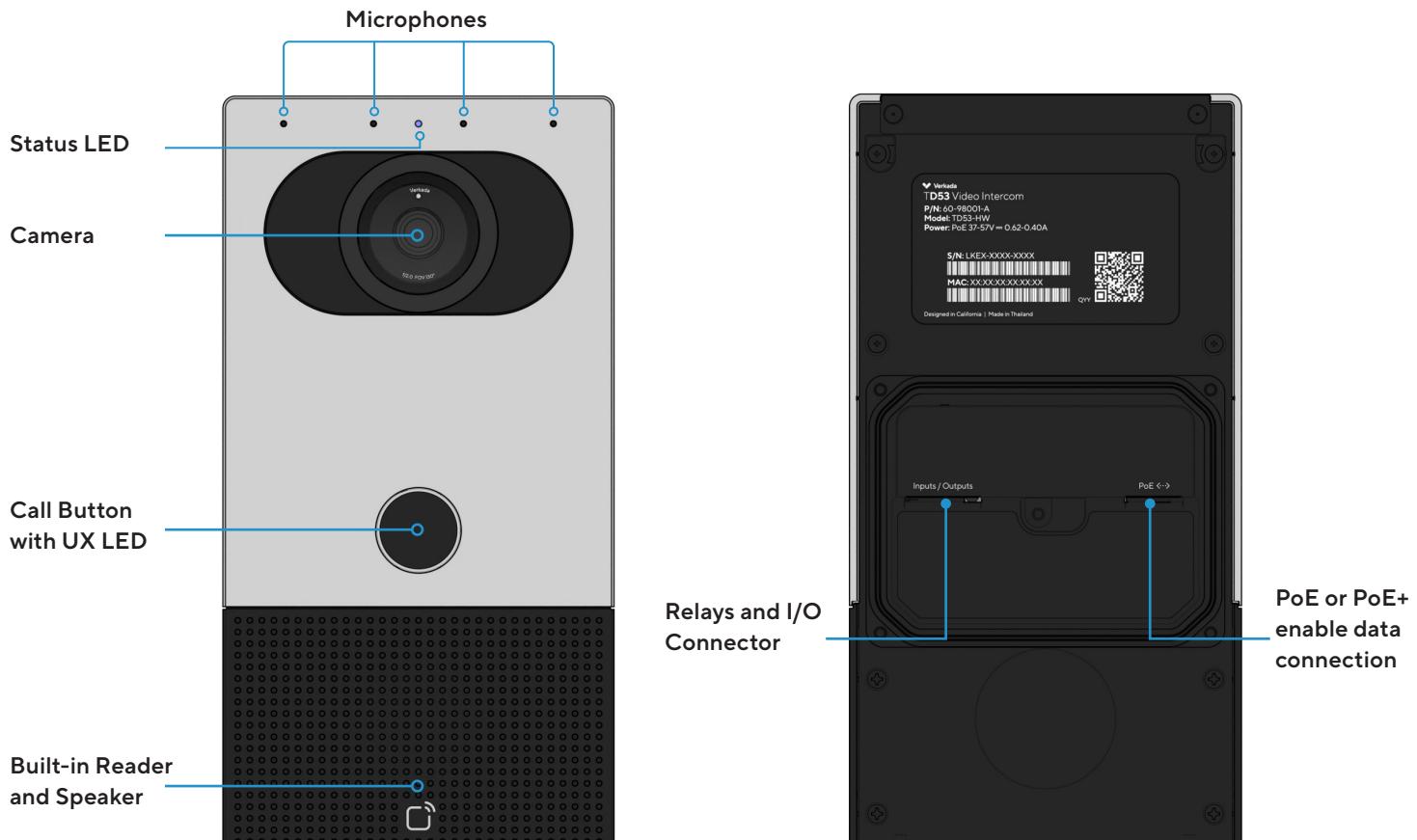
| | | | |
|------------------------------|--|-------------------------------|---|
| Verkada Receivers | Verkada Pass app, Verkada Desk Station, Verkada Command | Phone System Receivers | SIP, VoIP, PSTN, Microsoft Teams |
| Remote Lock / Unlock | Yes | Call History Details | Call timeline, video recording, searchable transcript, people detection and search |
| Call Routing Features | Multiple user and receiver options, failover steps, automatic messages, schedulable call logic, routing to central call center | Insights at Scale | Annotated call events, AI-powered transcription search, reports, call flows, and dashboard analytics across intercoms and sites |

Video security software capabilities

| | | | |
|--------------------------|---|------------------------------|--|
| Alerts | Call triggered, call missed, SIP connection, device status, motion detection, people detection, vehicle detection, Person of Interest search, crowd detection | Streaming and Storage | Cloud backup, selectable storage location, timelapse, RTSP |
| People Analytics | People search, attribute search, face search, occupancy trends | Sharing and Privacy | Live Links, privacy regions, audit log |
| Vehicle Analytics | Vehicle search, attribute search | Incident Reporting | Archive clips, save to incident report |

TD53

Inputs and Outputs



| Relay 1 | | | Relay 2 | | |
|----------|-----|-----|----------|-----------|-----------|
| NC | COM | NO | NC | COM | NO |
| IN3 | IN2 | IN1 | GND | RS-485 B+ | RS-485 A- |
| 3 Inputs | | | 1 RS-485 | | |



Ordering Information

TD53 Intercom

| Model Number | Description | Cost (MSRP) USD |
|--------------|----------------------------|-----------------|
| TD53-HW | TD53 Video Intercom Reader | \$1,799 |

TD53 accessories

| Model Number | Description | Cost (MSRP) USD |
|-----------------|----------------------------------|-----------------|
| ACC-INT-ANGLE-2 | TD53 Angle Mount | \$399 |
| ACC-INT-COND-2 | TD53 Conduit Surface Mount | \$399 |
| ACC-INT-TRIM-1 | TD53/TD63 Trim Plate | \$99 |
| ACC-INT-HOOD-1 | TD53/TD63 Rain Hood | \$49 |
| ACC-POE-2WIRE | PoE over 2-Wire Converter | \$399 |
| ACC-INT-SOS-2 | TD53 Emergency Label Kit | \$29 |
| ACC-INT-PLATE-1 | Intercom Emergency Adapter Plate | \$199 |



Ordering Information

Intercom Cloud License (New/Capacity Increase)

| Model Number | Description | Cost (MSRP) USD |
|----------------|---|-----------------|
| LIC-TD-1Y-CAP | 1-Year Intercom License, Capacity Increase | \$349 |
| LIC-TD-3Y-CAP | 3-Year Intercom License, Capacity Increase | \$1,049 |
| LIC-TD-5Y-CAP | 5-Year Intercom License, Capacity Increase | \$1,749 |
| LIC-TD-10Y-CAP | 10-Year Intercom License, Capacity Increase | \$3,499 |

Intercom Cloud License (Renewal)

| Model Number | Description | Cost (MSRP) USD |
|----------------|-----------------------------------|-----------------|
| LIC-TD-1Y-RNW | 1-Year Intercom License, Renewal | \$349 |
| LIC-TD-3Y-RNW | 3-Year Intercom License, Renewal | \$1,049 |
| LIC-TD-5Y-RNW | 5-Year Intercom License, Renewal | \$1,749 |
| LIC-TD-10Y-RNW | 10-Year Intercom License, Renewal | \$3,499 |



Ordering Information

Desk Station Cloud License (New/Capacity Increase)

| Model Number | Description | Cost (MSRP) USD |
|----------------|---|-----------------|
| LIC-TX-1Y-CAP | 1-Year Desk Station License, Capacity Increase | \$249 |
| LIC-TX-3Y-CAP | 3-Year Desk Station License, Capacity Increase | \$749 |
| LIC-TX-5Y-CAP | 5-Year Desk Station License, Capacity Increase | \$1,249 |
| LIC-TX-10Y-CAP | 10-Year Desk Station License, Capacity Increase | \$2,499 |

Desk Station Cloud License (Renewal)

| Model Number | Description | Cost (MSRP) USD |
|----------------|---------------------------------------|-----------------|
| LIC-TX-1Y-RNW | 1-Year Desk Station License, Renewal | \$249 |
| LIC-TX-3Y-RNW | 3-Year Desk Station License, Renewal | \$749 |
| LIC-TX-5Y-RNW | 5-Year Desk Station License, Renewal | \$1,249 |
| LIC-TX-10Y-RNW | 10-Year Desk Station License, Renewal | \$2,499 |