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

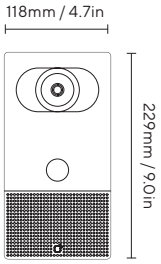
Power and rating

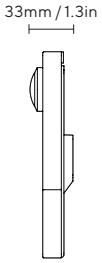
Power Consumption	37-57V, 0.62-0.40A	**Power Input**	IEEE 802.3af PoE IEEE 802.3at PoE+ (extended temperature range*)
Connectivity	Ethernet: 10/100/1000Mbps RJ-45 cable connector for Network/PoE connection	**Rating**	IK08, IP66

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		

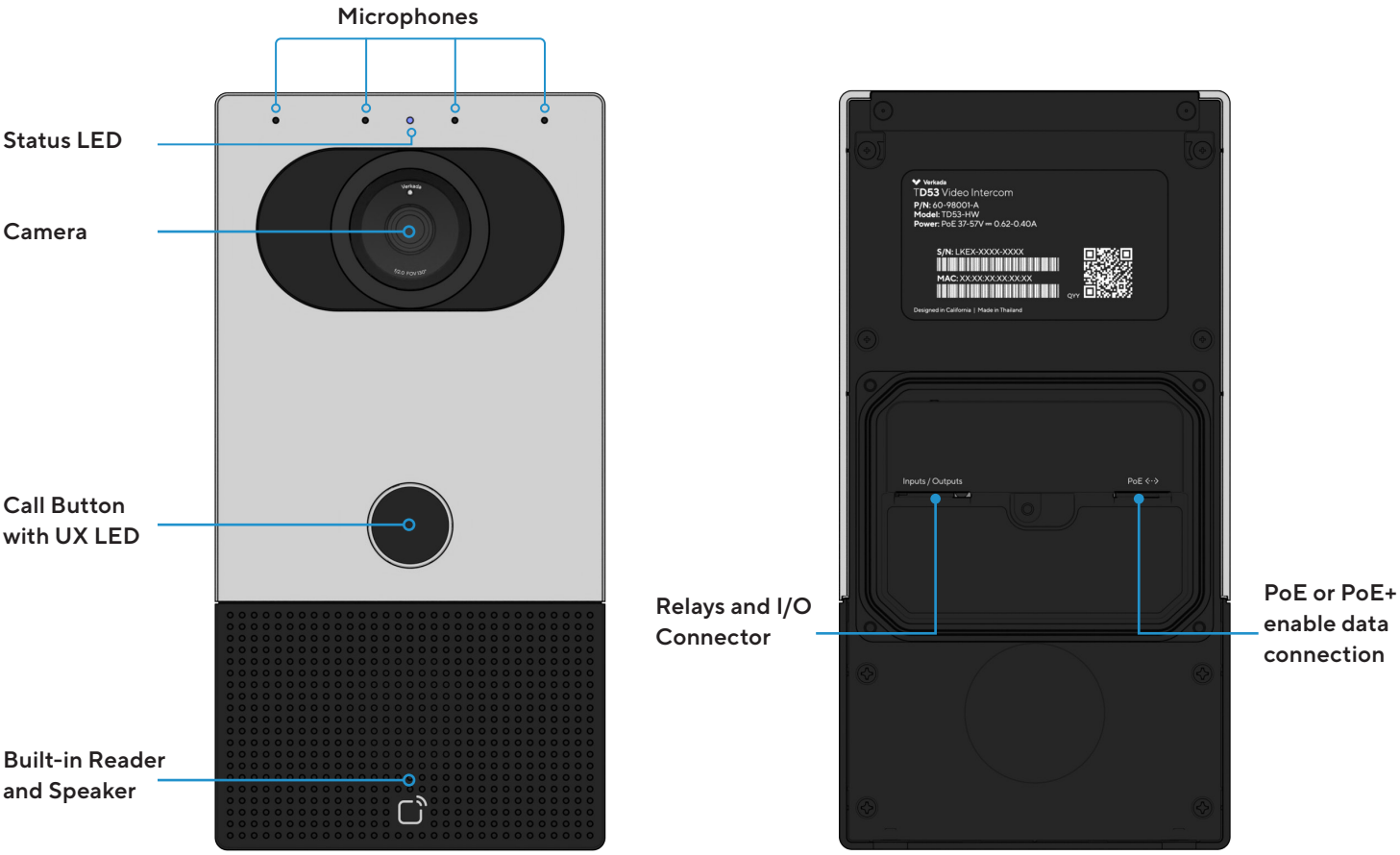
Intercom software capabilities

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
ACC-IOX-RELAY	Verkada Security Relay	$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