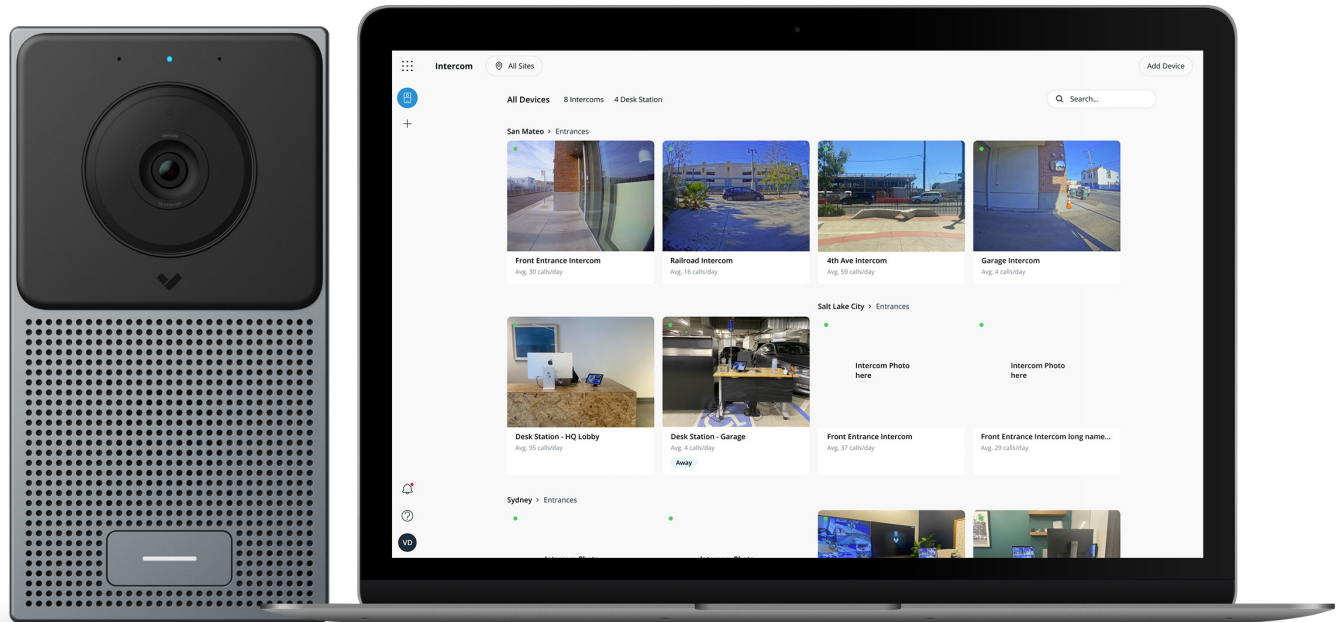


Answer Calls, Grant Entry and Secure Entrances from Anywhere



Overview

Verkada's Intercom solution allows organizations to enhance security and answer calls from anywhere with sharp video, clear audio, four smart receiver methods and intuitive management and security tools in Verkada Command.

To provide sharp video and clear call audio, Verkada's TD52 Video Intercom provides 5MP-quality video of callers in almost any lighting condition. An ultra-wide 130-degree Field of View (FoV) lens ensures that receivers can see callers, regardless of where they are standing. To ensure clear audio for callers and receivers, TD52 includes a powerful 5W speaker and two digital beamforming microphones.

In addition to video intercom capabilities, the TD52 also functions as a security camera, recording all camera footage continuously for 30 days, regardless of if there's an incoming call or not. Like all Verkada cameras, the TD52 deploys powerful AI tools like motion search and people analytics at the edge, giving organizations powerful video intercom and video security capabilities from an unparalleled vantage point.

To allow organizations to receive calls from anywhere, four smart receiver methods are available on the Verkada Pass mobile app, the Verkada Desk Station tablet application, via web browsers in Verkada Command and via existing phone numbers, allowing organizations to ensure that calls are always answered. Smart call routing allows organizations to specify who, when and how receivers should be contacted when a call comes in.

Finally, native integrations with Verkada Cameras and Access Control allow organizations to better secure their entrances without additional complexity. Context cameras can be paired with any intercom and access controls are accessible on every receiver method, allowing receivers to view important video security insights and unlock doors in a single tap, from any device.



Verkada's hybrid cloud intercom architecture



Enhance Security and Answer Calls from Anywhere

Maximum functionality, minimal complexity

- The TD52 is a video intercom, security camera and door controller
- Video intercom calling with crystal clear audio and sharp video
- Door controller functionality provides full access control capabilities on-device
- The TD52 also supports full Verkada video security camera functionality

Advantages of a cloud-managed solution

- Simplified hardware deployment and management
- Calls can be routed to any phone, no network or geographical limitations
- Cloud-based routing and configurable schedules provide unmatched flexibility

Easy to use

- Effortless admin and management with Command's intuitive web-based platform
- Secure and simple call receiving on any device from anywhere
- No training required to safely receive calls or securely access footage and features
- Find, download and share footage from any device

Ready for scale

- Bandwidth-friendly solution can deploy in almost any setting
- Scale to hundreds of intercoms and hundreds of locations – and manage everything in Verkada Command
- No added equipment needed to support additional functionality

Powerful security applications

- Intelligent security applications provide contextual video clips for enhanced call security
- Edge-compute capabilities help ensure low bandwidth consumption
- Powerful search capabilities allow admins to identify relevant footage in seconds

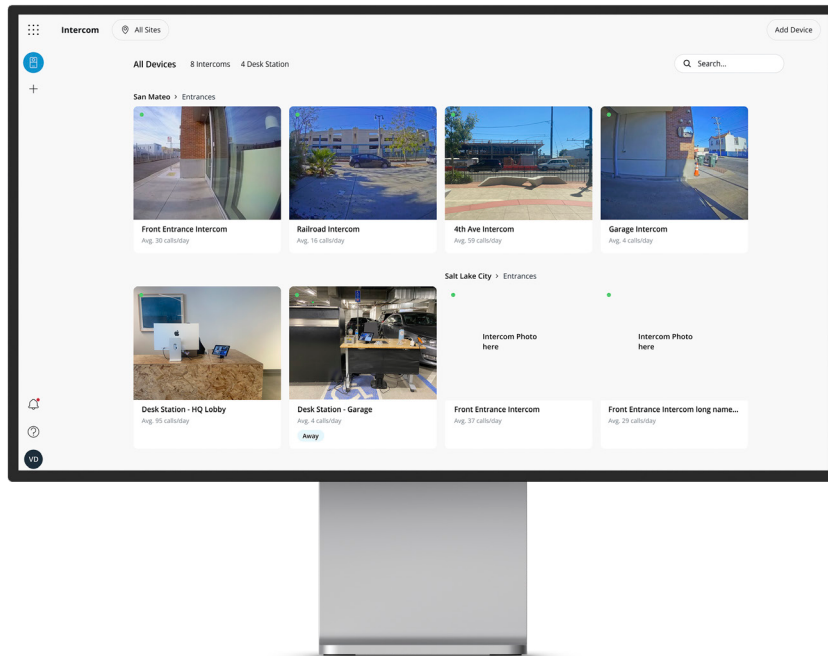
No hidden costs

- Hardware includes an industry-leading 10-year warranty
- Over-the-air firmware updates keep the system up to date
- New features and enhancements are added at no additional costs



Verkada Command overview

The All-in-One Hub for Verkada's Cloud-based Intercom



Command, Verkada's cloud-based management software, is designed to serve as an all-in-one hub for managing Verkada Intercoms. From Command, users can add and configure intercom devices, add users and schedules and set up smart call routing logic to align with daily business operations. Command allows users to answer and review calls and access advanced insights from Verkada's security features and manage their intercom devices.

Manage from anywhere

- Remotely manage and receive intercom calls from any browser or device
- Receive alerts for offline devices, tamper events and motion
- Add schedules dynamically to match operational requirements

Quickly review call actions and events

- Verify smart receiver events like door unlocks, call history and entry denied
- One-click video and audio playback provide enhanced call clarity
- View key events with automatically generated call timelines

Easily receive calls

- Receive incoming calls in 5MP quality
- Utilize responsive security applications to enhance building security
- Search through calls easily for faster incident resolution

Reply with automatic messages

- Setup customizable messages to automatically respond to calls during specific events, including:
 - **Device offline:** play one customizable message when a call is initiated and the TD52 is offline
 - **End of list:** play one customizable message when a call reaches the end of a call sequence or an empty call sequence
 - **Lockdown:** play a customizable message anytime a door is locked due to an access control lockdown

Scale with simplicity

- Add, disable, decommission and configure new devices with a single tap
- Easily view and manage desk stations, including customizable branding
- Pair intercoms with access controlled doors and cameras

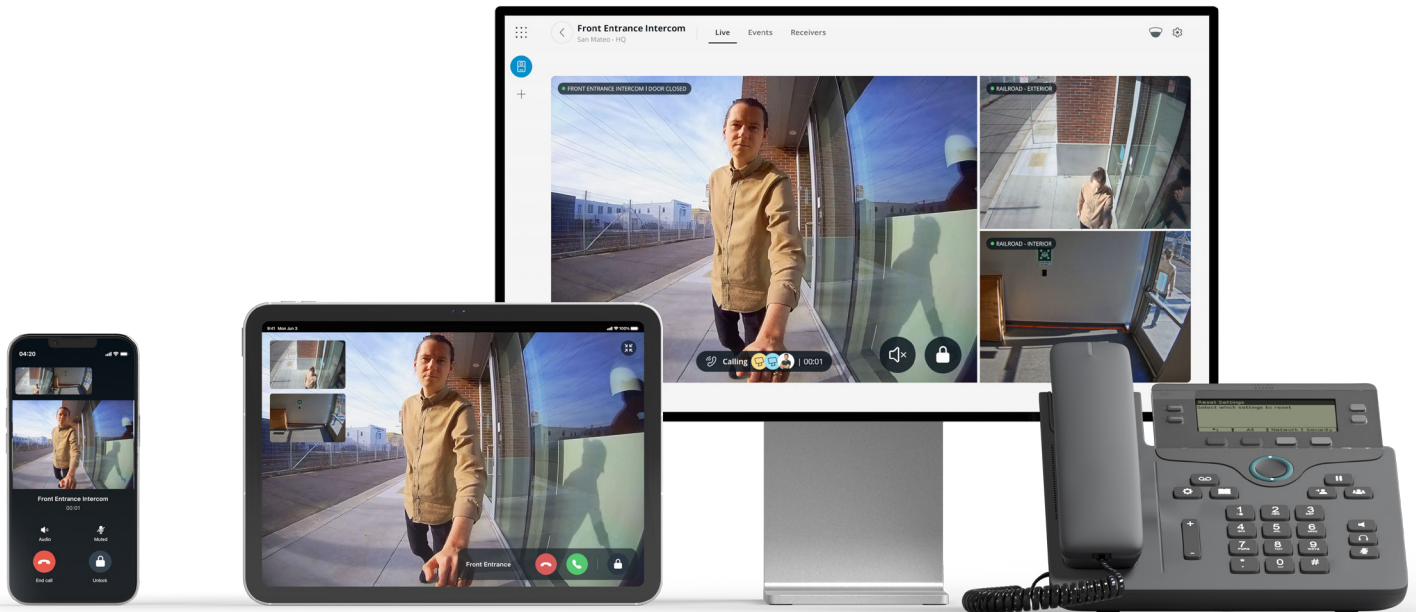
Seamless integration with Verkada's physical security infrastructure

- Get 24/7 video security on your intercom device – incoming call or not
- Deploy context cameras for a comprehensive understanding of the scene
- Pair with access control, door I/Os and DPIs in one click



Take Calls From Anywhere With Flexible Smart Receivers and Cloud-based Call Routing

Send calls to the right person at the right time and fit Intercom in with your existing workflows.



Verkada's video intercom system combines four flexible smart receivers with simple cloud-based call routing and scheduling to allow organizations to easily manage incoming calls and adapt to shifting workflows. Customizable call routing and scheduling allows organizations to define who, when and how different users should be contacted when intercom calls come in. Four smart receiver methods replace fixed devices with cloud-based call routing and receiving that ensures a seamless calling experience.

With Verkada, organizations can mix and match receiver types to scale across offices and geographies. Customizable schedules and call routing logic ensures that the system can always meet evolving organizational needs.

Cloud-based door communication

- Deploy the right receiver infrastructure with four distinct smart receiver methods
- Talk down to TD52 video intercom devices through Pass App, Desk Station and Verkada Command
- Add new users and receivers in a single click – no need to configure new landlines

Dynamic smart call routing

- Quickly specify smart call routing schedules to call receivers concurrently or sequentially
- Define logic and recipients in each step of the call list
- Select multiple recipients and call users in parallel or in sequence to match your business needs

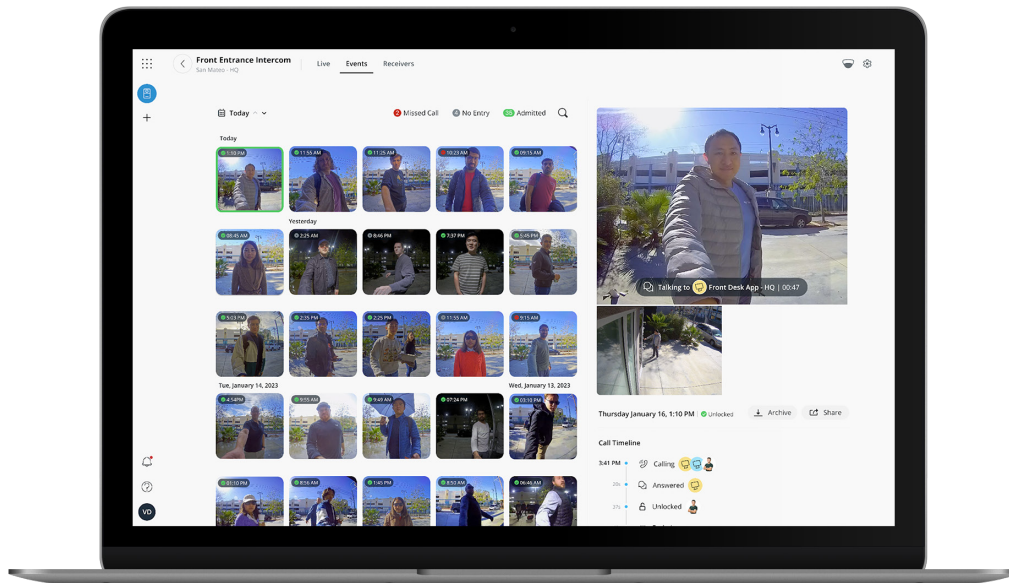
Greater control with schedules

- Easily add schedules and build custom call lists
- Create sub-schedules for off hours or different callers to ensure that call routing matches daily operations
- Set schedules for each recipient
- Adjust call routing in one tap using 'Away from Desk' functionality



Verkada Integration overview

Deploy an intercom that is seamlessly integrated with Verkada's unified physical security platform.



In addition to functioning as a powerful standalone intercom system, Verkada's video intercom integrates seamlessly with other Verkada product lines for even greater security capabilities. Native camera integrations extend calling capabilities with easy-to-configure context cameras. Native access control integrations allow for enhanced and simplified, door security. And extensibility with Verkada Guest, Alarms and more ensures that organizations can provide a safe workspace and a seamless building visitor experience.

Powerful camera integrations for enhanced security

- Easily integrate additional context cameras with your intercom system
- Utilize picture-in-picture functionality when receiving calls for enhanced security
- See unified insights across cameras and video intercoms. Get a unified point of reference to review calls from the simplified events page, including synchronized events across intercoms and context cameras
- Get a unified view across all devices with advanced AI features like motion search and People Analytics
- Get continuous video security on your video intercom to view all camera activity across all intercom devices – incoming call or not

Powerful access control integrations for enhanced security

- Deploy a video intercom on doors controlled by Verkada Access Control for more integrated door and building security
- Remotely unlock doors and more, directly from intercom receiver stations
- Simple management across devices with a unified platform – when door schedules are updated in Verkada Access Control, those updates will automatically apply changes to any intercom door schedules for paired doors
- Organizations can also pair Intercoms with door I/O devices like DPLs and more to get a more rich view of the scene and deploy even more integrated security capabilities

All the functionality of Verkada Access Control

- When used as a door controller, the TD52 provides organizations with complete access control functionality, including lockdowns, Verkada Pass and Command integration
- Review video and associated metadata from all intercom door entries, right in Verkada Command. See door entries as well from the Access Control tab
- Lockdown TD52 access controlled doors in one tap with Verkada's lockdown functionality
- Access doors with Verkada Pass, a mobile Bluetooth application
- Define a range of triggers to set conditional unlock schedules including the Desk Station Here / Away toggle Aux buttons and keycards



One Device for Intuitive Calling and Enhanced Security

High-performance hardware to provide modern workplaces with enhanced security and flexibility.



Verkada's TD52 Video Intercom is a beautiful cloud-native device that can stand alone or integrate natively with the rest of your Verkada deployment. The TD52 is designed to feel both intelligent and familiar - creating an intercom experience that's intuitive and hassle-free. Verkada Intercom's hybrid cloud architecture eliminates the need for NVRs/DVRs and fixed receiver stations, simplifying installation and ownership.

For leading video security capabilities, a 1080p camera with a wide 130° FoV lens gives receivers a clear view of visitors regardless of where they are standing. The eye-level mounted TD52 also provides an unrivaled vantage point for Verkada camera analytics such as motion, face search and person of interest alerts.

To provide clear audio, the TD52 features a 5W speaker and two omnidirectional MEMS microphones with noise suppression and acoustic echo cancellation functionality. The TD52 provides clear pickup and broadcast range despite outside wind or background noise - making it easy for callers and receivers to make clear calls.

The TD52 can also function as a single door controller that allows organizations to connect their AD33 door readers to the TD52 video intercom through the four RS-485 ports on the back of the device. With the TD52 video intercom, everything from calling, video recording and AI-powered analytics are initiated at the edge and on a single device.

Key features

Three devices in one

- The TD52 is a video intercom, security camera and door controller that is PoE powered. The device installs quickly and is online in minutes
- Crystal clear audio ensures that callers and receivers can always hear and be heard
- Powerful camera capabilities provide complete visibility and security in virtually any lighting condition
- A RS-485 port and a single dry relay output give maximum flexibility to common devices

Cloud-based for endless scalability

- Route calls to any receiver or location - regardless of network, location or geography. This gives organizations powerful tools to intelligently route incoming calls
- Simply and intuitively set up the device from anywhere, right in Verkada Command
- No added software or receiver configurations needed - everything is managed in Verkada

Works in any environment

- IP66 and IK08 rated, so it can be deployed in direct sunlight, wet conditions or outdoor environments as cold as -40°F or as hot as 122°F
- 15 meters of infrared range, an ambient light sensor and wide dynamic range to provide pixel-perfect resolution in any lighting condition
- Versatile mount plates, rain hoods and surface mounts provide expanded flexibility for installation on any surface and in any entryway



TD52 Video Intercom

Tech specs

**TD52**

Power and network

Power consumption	With IR = 37-57V, 0.34-0.22A 12.41W Without IR = 37-57V, 0.25-0.16A, 9.39W With Heater = 37-57V, 0.48-0.31A, 17.7W	Power input	IEEE 802.3af PoE IEEE 802.3at PoE+ (extended temperature range*)
Connectivity	Ethernet: 10/100Mbps RJ-45 cable connector for Network/PoE connection	Status LED indicator	System power and status indicator

General

Operating temperature	-4°F to 122°F / -20°C to +50°C 802.3af POE -40°F to 122°F / -40°C to +50°C 802.3at PoE+	Dimensions	Length: 9.4in / 238mm Width: 5in / 128mm Height: 1.7in / 44mm
Operating humidity	0 to 90%	Weight	2.3lb / 1.1kg
Tamper detection	Yes	Construction	Aluminum, steel, polycarbonate
Warranty	10 years	Included accessories	Flush mount adapter plate, T10 screwdriver, mounting hardware kit, grommet punch
Storage	256GB	Separate accessories	Surface mount, angle mount, trim plate, rain hood, PoE over 2-wire converter
Inputs/outputs	2x dry inputs 1x dry relay, 30VDC @1A (resistive load) 1x RS-485 port	Warranty	10 years

Compliance and availability

Certifications	IK08, IP66	Compliance and safety	FCC, ICES, UKCA, CE, RCM, VCCI, KCC, BIS, NOM, UL/cUL/IEC 62368-1, ECA, CAK, NCC, RURA, NDAA
-----------------------	------------	------------------------------	--

*Extended temperature range includes operating temperatures below -8.5°C / 16.7°F and assumes IR will be enabled.



TD52 Video Intercom

Tech specs

**TD52**

Camera specifications

Sensor resolution	5MP (2688 x 1944)	Iris	Fixed
Lens type	Fixed	Aperture	F2.0
Image sensor	1 / 2.8" Progressive CMOS	Field of view¹	Horizontal: 134° Vertical: 100° Diagonal: 169°
IR range	15m / 50ft in low light	Focal length	2.12mm

Audio specifications

Audio streaming	Two-way, fully duplex with echo cancellation and noise suppression	Audio input	2 omnidirectional digital MEMs microphones
Audio output	5W speaker; 90db SPL at 1m / 3.3ft		

Intercom software capabilities

Call routing	Four receiver options (iPad-based Desk Station, iOS and Android Verkada Pass application, phone number, web browser), multiple failover steps, schedulable call logic	Events	Annotated call events, people detection, person of interest search, on device storage, cloud backup
---------------------	---	---------------	---

Video security software capabilities

Alerts	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 link, privacy regions, audit log
Vehicle analytics	Vehicle search, attribute search		

1. Lens Distortion Correction (LDC) crops the sensor field of view to deliver a rectified, undistorted output image.