



INSOMNIAC™ 220

The background image shows a modern building with blue horizontal shutters and small square windows. The building is partially obscured by large, semi-transparent geometric shapes in shades of blue and grey. The text 'INSOMNIAC™ 220' is overlaid on the left side of the image.

Surface wall mount, indoor. Maximum engagement and unparalleled reliability.

CONTRACTOR'S **GUIDE**

Installation specifications and considerations for your new INSOMNIAC Kiosk. Never miss another rental.

CONTACT US

Each INSOMNIAC™ Kiosk is a self-contained system designed for easy installation. An OpenTech onboarding specialist will work with you to set up and customize the more complex configuration options within the kiosk software. If you have questions throughout the installation process, please reach out to our dedicated support team.



CONTACT INFORMATION

Technical Support	(602) 773-1700 support@opentechalliance.com
Fax	(602) 324-8658
Office	(602) 749-9370



HOURS OF OPERATION

Business Office	M-F; 8:00AM to 5:00PM MST
Technical Support	M-F; 7:00AM to 5:00PM MST Sat; 7:00AM to 5:00PM MST

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to find one near you!

INSTALLATION

Preface

Prior to installing the INSOMNIAC 220, your contractor should review the standards and information contained throughout this document. Please contact OpenTech Alliance Customer Support (via telephone at: 602-749-9370, Option 2, or email at: support@opentechalliance.com) for any upgrades or additional details or questions.

Hanging Installation

- Check with OpenTech Alliance prior to installation for any updates to this installation guide.
- Check all applicable ADA and local codes for accessibility compliance prior to installation.
- The recommended height for the Lock Dispenser is approximately 20" above the finished floor.
- The kiosk should be visible once a tenant enters the property from the street.
- The kiosk area should be well lit (to make the user feel safe and comfortable).
- If the property utilizes video recording or surveillance, a camera should be in place to view the kiosk.
- Ideal installation of the kiosk will insure that it is placed just adjacent to the main office entrance.

ADA Compliance

Accessibility Considerations

The primary issue addressed by The Americans with Disabilities Act (and corresponding local accessibility code requirements), as applied to the kiosk, is provision for proper access to and from the INSOMNIAC 220 kiosk. This includes ensuring the presence of an accessible route from public areas (including streets, sidewalks and parking lots).

Installation Specifications

It is suggested that the unit be installed at such a height so as to insure that the microphone is approximately 60" AFF (above finished floor); this will place the kiosk at a height that is accessible to an individual in a wheelchair (for both forward and side approaches). In order to further accommodate wheelchair accessibility, units with a lock dispenser should be installed so that access to the lock dispenser is approximately 20" AFF; this complies with guidelines set forth by the ADA.

Power Requirements

Wired Power Specifications

The INSOMNIAC kiosk requires 110-120 VAC, 10 Amp, single-phase, three-wire un-switched power receptacle. Wiring to the receptacle must include a third-wire earth-ground (conduit ground is not acceptable.)

Extend a minimum of 3/4" metal conduit from service panel to a 4" junction box located no further than 6' from the unit. Boxes can be flush mounted with concealed conduit for new construction, or boxes can be surface mounted with exposed conduit for existing construction.

Although removing power from the kiosk suddenly is not recommended, the system is designed to be resilient against data corruption if power is removed.

Backup Power Supply

An uninterruptible power supply (UPS), also known as an uninterruptible power source, or a battery backup, is a device which maintains a continuous supply of electric power to connected equipment by supplying power from a separate source when utility power is not available.

When a power failure occurs, the UPS effectively switches from utility power to its own power source almost instantaneously. The UPS, which is continuously connected to the protected load, draws energy from its reserves, usually stored in lead-acid batteries, converting it to AC power.

In addition to providing protection against complete failure of the utility supply, a UPS also provides protection against all common power problems, and for this reason it is also known as a power or line "conditioner."

Please consult with your electrical contractor for a unit appropriate to your facility.

Data Cable Requirements

Always-On Internet Connectivity

The INSOMNIAC 220 must be connected to the Internet; i.e. an “always-on” Internet connection (such as cable or DSL). The firewall should allow incoming traffic on TCP ports 5721, 80, and 443.

A contractor should run one or two CAT 5 data cables, in grounded conduit, from the location of the computer (or network hub) that runs the management software, to a junction outlet box mounted a few feet from the kiosk. The kiosk comes with a CAT 5 cable that extends 5’ from a hole in the back, right-bottom corner of the kiosk (when facing the kiosk from the front).

A second CAT5 cable would be needed to serve an optional “pin hole” IP camera that can connect to the facility’s security monitoring system.

On-Demand/“Dial-Up” Internet Connectivity

The INSOMNIAC 220 does not support an on-demand Internet connection (such as dial-up). However, it can be configured to support connection to a cellular network.

DVR Camera Connection

The INSOMNIAC 220 comes pre-installed with a DVR (Digital Video Recorder) capable camera. If desired, an RG59 BNC cable may be run to the CAT5E junction box. The cable should be terminated with a female BNC connector or have a coupler available.

Plenum Ceiling Consideration

Special considerations must be made if the kiosk will utilize wiring installed through a plenum ceiling. If the area between the ceiling and the roof in a building is used for air return in a ventilation system, fire and building codes normally require that special wire or conduit be used if wire is run through this area.

Fire Protection Consideration

Installation of this kiosk in an existing facility with a new wall enclosure, may impact the sprinkler head cover in this area, and require modification or addition of additional heads.

Heat Gain/Loss Consideration

Installation of this kiosk in small areas with a lack of air circulation should take into consideration the heat gain (build up of heat from operation of the equipment) and design the space accordingly.

SPECIFICATIONS

INSOMNIAC 220 Specifications

Wired Power Specifications

Shipping Weight	Unit Weight	Kiosk Dimensions
+/- 210 lbs	+/- 150 lbs	Height: 56" Width: 20 5/8" Depth: 15 9/32"
Actual shipping and unit weight depends upon shipping materials, options and configuration.		

Installation Specifications

Not applicable.



DRAWINGS

Product & Installation Drawings

Model 220 Front Call Out View

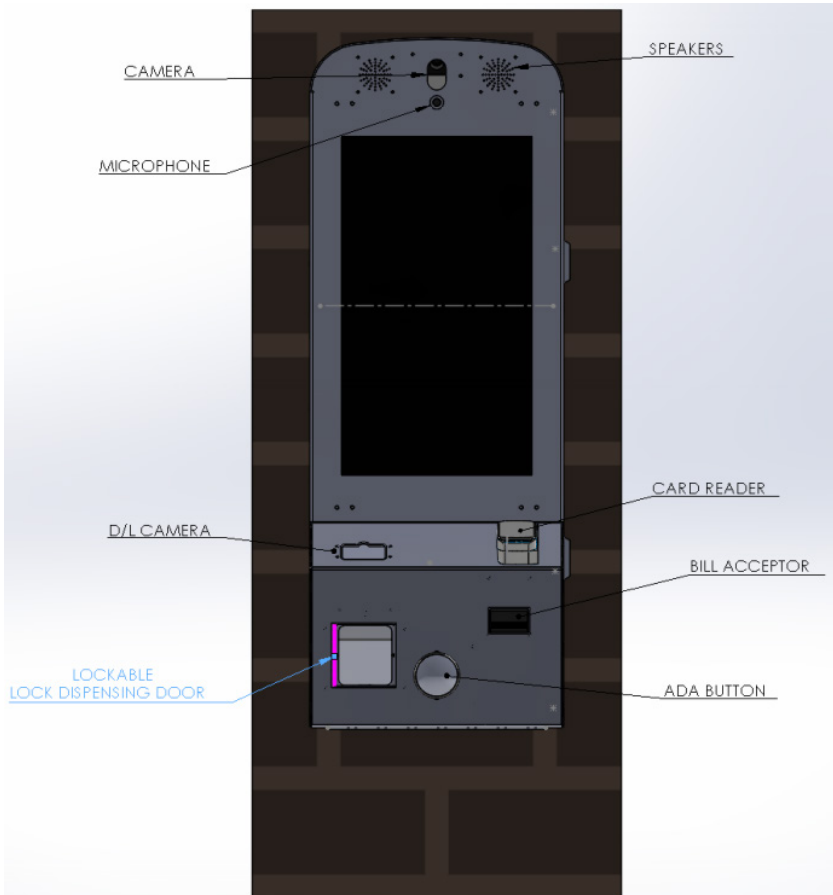


Figure 1: Model 220 Front Call Out View

Model 220 ADA Front View

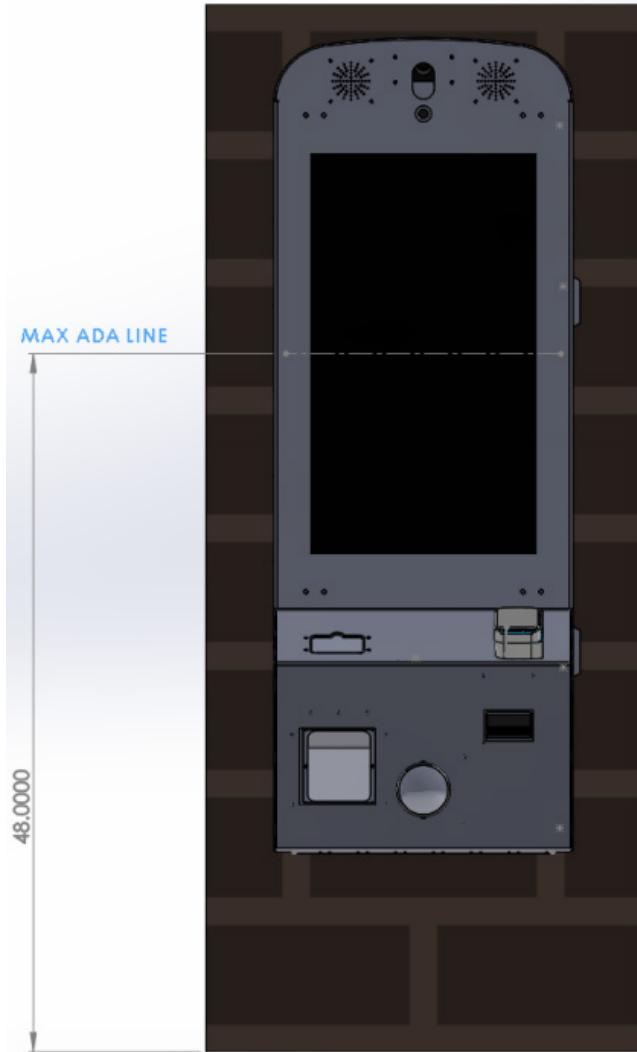


Figure 2: Model 220 ADA Front View

Model 220 Front View

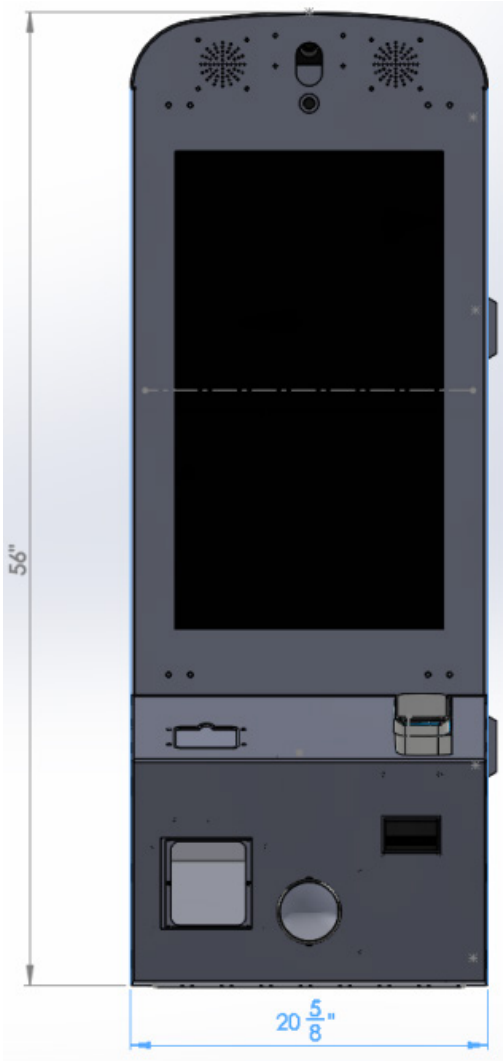


Figure 3: Model 220 Front View

Model 220 ISO View

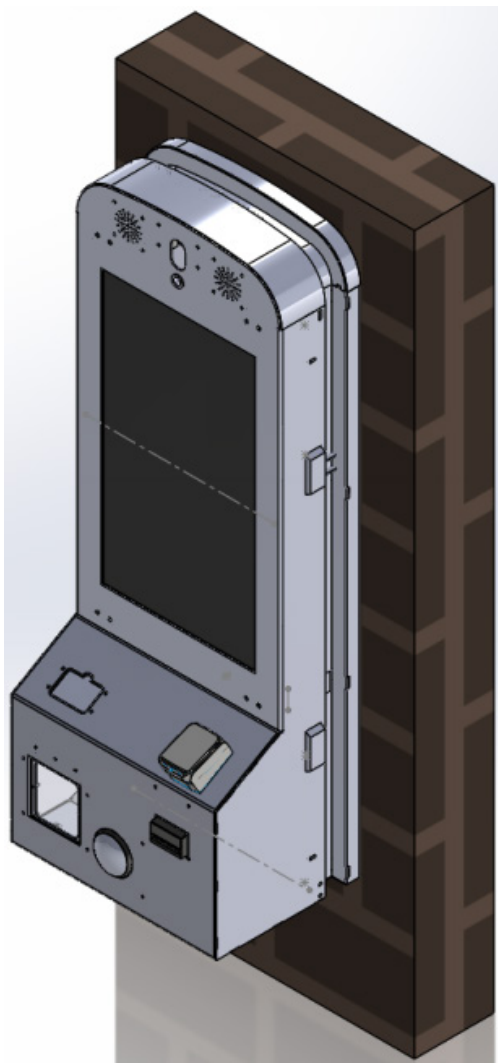


Figure 4: Model 220 ISO View

Model 220 Right Side View

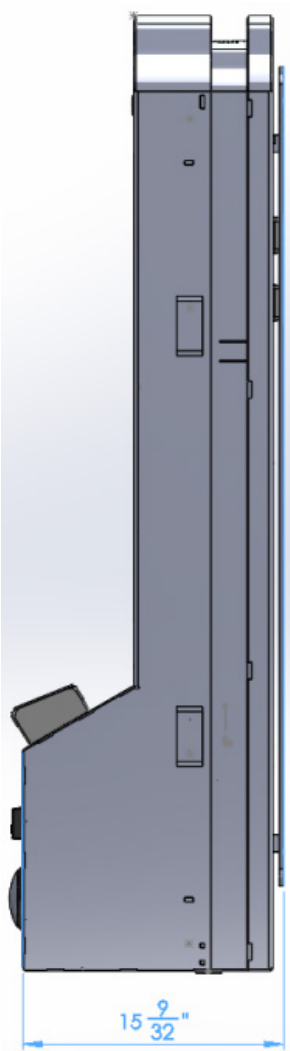


Figure 5: Model 220 Right Side View

Model 220 Wall Plate Mounting

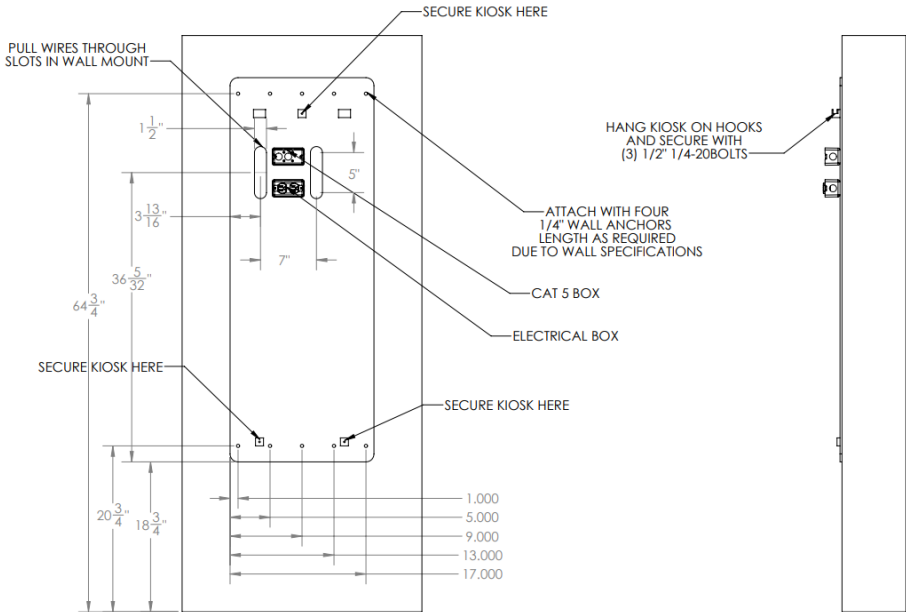


Figure 6: Model 220 Wall Plate Mounting

Mounting Instructions

1. Prepare wall to provide access to electrical and network cables at the location of the (2) available slots in the wall mount (back plate). NOTE: (2) CAT5 cables are required if the optional "pin hole" IP camera is ordered. Only one CAT5 cable is needed, otherwise.
2. Install 1/4" wall anchors, if required, depending on the location of wall studs. Mounting directly to the wall studs is preferred and provides the most secure attachment.
3. Mount the wall plate into studs and 1/4" wall anchors, as required. There are 10 pre-drilled holes; plan to use at least (2) high and (2) low. The hole pattern is drilled to accommodate 16 inch centers that would avoid the need for wall anchors.
4. After the wall mount (back plate) is securely attached to the wall, the kiosk can be lowered onto the two hooks that extend off the wall mount (back plate) and secured with (3) 1/4"-20 bolts at the three labeled points.
5. Secure the CAT5 cable(s) in the gang box provided.
6. Secure the electrical wires within the electrical gang box provided.

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