Centry® Help Points®: An Overview

Centry® is an indoor/outdoor-rated, small form factor Help Point® with an optional integrated IP camera. Centry® offers a highly durable housing with several integrated features, including:

- Colored, raised letters and Braille
- Ring lit Piezo buttons (1- and 2-button faceplate designs)
- Three-piece faceplate design
- Flush-mounted faceplate station beacon light

Important Resources:

- Webpage: www.codeblue.com/centry
- Guide: Centry® Admin Guide

Construction

Size

	Width (in)	Height (in)	Depth (in)
Surface Mount	4.75	10.25	2.875
Flush Mount	4.5	10	3.125

Weight

	Weight (lbs)
Surface Mount	4.0
Flush Mount	4.5

Style

The Centry® faceplate is constructed of stainless steel. The surface and flush mount boxes are constructed of carbon steel. Centry® is painted in two colors: Dark gray upper plate and bright silver lower plate.

Mounting

Centry® can be mounted into its surface-mounted box or its flush-mounted box. The surface-mounted box can also be mounted to Code Blue's curb mount (IA500/IP25000/ Centry® version). The surface mount contains additional mounting holes for fitting with the curb mount. Both the surface and flush mount versions carry the same back conduit hole, while the surface mount also has two bottom conduit holes and the flush mount has two top conduit holes.

Centry®'s faceplate mounts to the surface and flush mount boxes using a T10 Security Torx screw.

Centry®'s surface or flush mount box can be easily installed into a finished or unfinished wall using standard screws drilled through holes on the back of the box. Conduit for communication and power (if needed) can be run through the back (surface or flush) or bottom (surface only) conduit holes. Installation can be performed by a single person.

Environmental

Operating Temperature: -40° F to 158° F (-40° C to 70° C)

Durability

Centry® is designed to withstand the same level of physical abuse as Code Blue's other small form factor enclosures and phone faceplates.

Connectivity

Centry®'s board includes the following features:

- 3 Ethernet Ports (1 WAN PoE, 2 LAN)
- 3 Normally Open (NO) Dry Contact Inputs
- 3 Normally Open (NO) Dry Contact Outputs

Power

Available power choices include:

- PoE (standard)
- 12V DC auxiliary power
- Optional 12V DC-to-24V AC adapter

Communication

Centry® utilizes SIP to communicate with a SIP server.

Network

Centry® connects to an IP network utilizing a CAT5 or better Ethernet connection.

Audio

Centry® complies with IEEE, SIP and offers the following audio codecs:

- G722/16000/1
- G729/8000/1
- GSM/8000/1
- L16/44100/1
- L16/44100/2
- PCMA/8000/1
- PCMU/8000/1
- iLBC/8000/1
- opus/48000/2
- speex/16000/1
- speex/32000/1
- speex/8000/1

*Note: PCMA can also be referred to as G.711a. PCMU can also be referred to as G.711u.

Firmware

Centry® uses the EmerComm® Operating System.

Centry® registers to a network using DHCP.

The Centry® GUI offers a new design that includes a lighter color palette. The home page displays the System Status and the menu includes tabs for:

- Accounts
  - Add Account
  - Manage Account
- Network
  - General Settings
- Audio
- Video
- Event
  - General
  - Action Scripts
  - Recordings
- Settings
  - Administration
  - Date and Time
  - Diagnostics
  - Firmware
  - Hardware

Markets

Centry® is designed for Code Blue's traditional indoor and outdoor Help Point® applications:

- Hallways
- Stairwells
- Adjacent to doors
- Outside building walls
- Gates access points

Centry® could also be used for:

- Train or subway cars
- Small business (SMB) door entry systems
- Commercial intercom replacements

Maintenance

Centry® should be cleaned quarterly to maintain the paint's luster. Any scratches or chips to the paint should be touched up with a paint kit to minimize corrosion of the surface below it.

Faceplate Light

The faceplate light has a standard brightness and can be turned off via the web interface.

Ring Lit Button

The ring lit button holds a blue light color when idle. Upon activation, the button color turns to red and the light begins flashing. When the call is connected, the light stops flashing and turns green. At the end of the call, the light returns to its idle settings.

Shipping

All Centry® units ship with:

- 1 Security Torx (T10) L-Key
- 2 x 2 position connectors, compatible with Centry board inputs and outputs
- 1 Cable, 5 feet Orange CAT6 w/ RJ45

Compatibility

Centry is a SIP version 2.0 (RFC3261) device and is compatible with IP Gateways and PBXs that can register third party SIP devices.

You must verify that the IP PBX you are registering Centry to can handle third party SIP de- vices, whether through licensing and/or hardware add-ons. Please note that Centry currently does not work with a separate Proxy Server. SIP registration and calls must point to the same domain/IP Address SIP Server.

Frequently Asked Questions

- Is call audio embedded in the H.264 stream?
  - Only video is being passed through H.264 at this time.

- How close are we to ONVIF compliance?
  - ONVIF testing has not been completed yet, but Centry® was built to be ONVIF Profile S compliant. Time frame remains TBD.

- Does the camera and phone share one MAC address?
  - Yes, and one IP address.

- How are each of the three rtsp streams identified by a user or VMS? For example, our rtsp stream is "rtsp://IPADDRESS/codeblue", while most cameras use something similar to "rtsp://IPADDRESS/profile1", "rtsp://IPADDRESS/profile2", "rtsp://IPADDRESS/profile3", etc.
  - It is one video stream that can be tapped three times without latency issues.

- Can we transmit audio and video using SIP protocol? For example, when Centry® is registered as an endpoint in Genetec's Sipelia platform.
  - Our current version is not set up to transmit both audio and video using SIP. Just audio.

- Do our flush mount and surface mount faceplates contain the same dimensions – faceplate and screw holes?
  - All faceplates are designed to match up to both the flush and surface mount enclosures.

- Can I direct a stream from the camera for use on my existing Video Management System?
  - Centry® provides an RTSP stream, so if the VMS can handle RTSP then it shouldn't be a problem.

- Will an app be made available for smart phones and tablets?
  - An app is not available at this time. A mobile app for Blue Alert Motion is currently being researched.

- Can I customize the lettering?
  - Yes. This modification requires a custom request submitted with Customer Service.