

1.0 GENERAL DESCRIPTION

- 1.1 The unit shall be a vandal-resistant, communications device that is a multi-functional wall-mounted enclosure constructed of stainless steel, model Centry[®] from Code Blue Corporation, no substitutions. It shall include a fixed IP color camera and a high quality, hands-free communications device illuminated by a high intensity LED station beacon light that serves to easily identify it from a distance.

2.0 CONSTRUCTION

- 2.1 The unit shall be a two-piece construction, with both pieces constructed of 12 gauge, 304 grade stainless steel, with a custom-designed, vandal-resistant camera and microphone/speaker.
- 2.2 The unit's dimensions shall be:
 - 2.2.1 Flush Mount: 4.5" W x 10" H x 3.125" D and weigh approximately 4 lbs. with a 0.125" thick faceplate and four tamper-resistant screw holes.
 - 2.2.2 Surface Mount: 4.75" W x 10.25" H x 2.875" D and weigh approximately 4 lbs. with a 0.125" thick faceplate and four tamper-resistant screw holes.
- 2.3 A 50mm weatherproof speaker shall be mounted via 2" stainless steel studs, locking washers and lock nuts.
- 2.4 25mm programmable ring lit piezoelectric buttons that contain no mechanical parts shall be mounted into the faceplate.
- 2.5 Raised bezel lettering shall be made of injected urethane. Standard wording options are Assistance and Emergency. Available text colors are Black, Blue and Red.
 - 2.5.1 Custom colors and wording shall be available.
- 2.6 Stainless standoffs and locking washers shall be utilized to mount conformal coated electronics. A plastic plate shall be secured with stainless standoffs, locking washers and stainless steel screws.

3.0 MOUNTING

- 3.1 Surface mount: It shall attach to the wall with four anchors that are provided by others.
- 3.2 Flush mount: It shall be inserted into the wall cavity and anchored in place by others.

4.0 ELECTRICAL

- 4.1 Power over Ethernet IEEE 802.3af (15.4 maximum wattage) and PoE+ IEEE 802.3at (25.5 maximum wattage).
- 4.2 12V DC @ 350mA for PoE and 600mA for PoE+.
- 4.3 Optional SLA/AGM battery backup, with up to 16 hours of talk time/standby.
 - 4.3.1 Non-volatile memory ensures programming is retained during power loss.

5.0 LIGHTS

- 5.1 The curved LED Station Beacon shall measure 4.5" W x 0.375" H.

6.0 VIDEO

- 6.1 The faceplate shall include a fixed IP color camera with a 0.25" CMOS sensor.
- 6.2 The camera shall have a 125° fixed focus wide angle lens with three RTSP streams available with up to 1080p resolution and up to 30 frames per second (FPS). Light sensitivity shall be 600 mV/Lux-sec.
 - 6.2.1 The unit also shall have SIP video support.
- 6.3 Compression codecs shall be H.264, MPEG-4 and Motion JPEG.

7.0 COMMUNICATIONS

- 7.1 The enclosure shall be capable of one button or two button options.
- 7.2 The speakerphone shall be capable of peer-to-peer audio communication.
- 7.3 The unit shall be capable of supporting a handset or keypad.
- 7.4 The speakerphone shall have a 4GB memory capacity for the storage of phone numbers and audio messages, and be capable of configuration from a central TFTP server or embedded web GUI.
- 7.5 The speakerphone shall have a 8 Ohm line level audio output.
- 7.6 The unit shall have three Ethernet ports, one capable of being connected to a PoE network switch.
- 7.7 The speakerphone will be able to handle phone numbers with up to 255 digits each, and have an instantaneous dialing speed depending on the network.
- 7.8 Operational temperature shall be -40° to +70° Celsius (-40° to +158° Fahrenheit).
- 7.9 In-call commands via DTMF: speaker volume and microphone volume.

Architectural & Engineering Specifications

- 7.10 Codec support: G.711a (PCMA), G.711u (PCMU), G.722, G.729, GSM, L16, iLBC, Opus, Speex.
- 7.11 STUN client for NAT transversal.
- 7.12 UDP and TCP communication protocols.
- 7.13 Embedded web server.
- 7.14 DTMF inband/out of band/INFO.
- 7.15 Three auxiliary Normally Open (NO) input contact closures and three auxiliary NO output contact closures with programmable timing capability.
- 7.16 Customizable incoming call scripting.
- 7.17 Volume control and hang-up functionality from both the caller and operator sides.

8.0 FINISH

- 8.1 Unit shall be painted in two powder coat colors. The top portion of the faceplate shall be painted Dark Gray; the bottom shall be Bright Silver.
 - 8.1.1 Optional colors shall be available.
- 8.2 Optional engineering grade reflective vinyl graphics shall be available for the surface mount for high visibility and legibility.

9.0 OPTIONS

- 9.1 Please refer to the associated Architect and Engineering Specification for the following equipment:
 - 9.1.1 Remote mount blue beacon/strobe.
 - 9.1.2 Curb mount.

10.0 COMPLIANCE

- 10.1 Braille lettering and highly visible LED lights for ADA compliance.
- 10.2 NEMA 3 compliant.
- 10.3 UL 60950-22 compliant.
- 10.4 UL 62368-1 compliant.
- 10.5 NFPA 72 compliant.

11.0 WARRANTY

- 11.1 Centry[®] shall be warrantied against any defects in material and workmanship, under normal use, for a period of 2 years from date of installation. If system is found by manufacturer to be defective within the warranty period, manufacturer shall repair and/or replace any defective parts, provided the equipment is returned to manufacturer.

12.0 MANUFACTURER

- 12.1 The Manufacturer shall be Code Blue Corporation. 800-205-7186, 259 Hedcor Street, Holland, Michigan 49423. www.codeblue.com. THERE ARE NO EQUIVALENTS.

