The highest grade of automation without on-board train personnel requires new signaling systems and cutting-edge passenger information solutions. Wabtec’s Video Passenger Call Unit addresses this need with real-time video feeds to ground staff.

Wabtec’s Passenger Call Unit portfolio provides smart custom mechanical aesthetic designs and seamless integration.

**UNIQUE FEATURES**

**Highest level of remote human assistance:** Video and audio bidirectional connection for any application of autonomous trains.

**Customizable user interface:** The touch screen can provide several call buttons depending on the language of the passenger or the service requested.

**Tailored unit:** The unit comes in a wide range of sizes with unique features that include an emergency handle, integrated loop-amplifier, and more.
**PRODUCT'S LEVEL OF MATURITY**

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<th>Concept</th>
<th>Under Development</th>
<th>Available</th>
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**PRODUCT SPECIFICATION**

### Audio
- **Microphone frequency response**: 200 Hz -14 kHz at -10 dB
- **Loudspeaker frequency response**: 300 Hz to 4 kHz at -10 dB
- **Communication mode**: Voice over IP: Full duplex with echo canceling
  Optional: Analog fallback through UIC lines
- **Activation**: Push button or emergency alarm handle

### Video
- **Display**: Touchscreen 10” LCD TFT – 1280 x 800 px
- **Camera**: Full HD – H264

### Controller
- **Operating system**: LINUX
- **Ethernet network**: 100 MBit/s
- **Protocols**: SIP/RTP, HTML, MQTT, SNMP, WebRTC, RTSP

### Housing
- **Enclosure material**: Aluminum
- **Protection class acc. EN 60529**: IP54 front face, IP20 rear
- **Weight**: 9 kg

### Operation
- **Temperature range in operation**: EN 50155 OT3, –25 °C to +70 °C
- **Power supply**: 110 V DC, 72 V DC, 24 V DC ...

### Standards
- **Passenger alarm**: Optional TSI/PMR compliant layout according to EN16334 or RTE 40100
- **Railway applications**: EN 50155
- **EMC**: EN 50121-3-2
- **Fire safety**: EN 45545-2