



# VIDEO PASSENGER CALL UNIT

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**

**Concept**                      Under Development                      Available

**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

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