



Accessibility Solutions for the Hearing and Visually Impaired

HI/VI-N/CC

Features

- Infra-red technology: eliminates adjacent room channel interference
- Three types of receivers: headphones, eyeglasses, or seat-mounted caption display
- Headphones play film soundtrack or audio descriptive narration
- Volume controls on headphones for overall level or to blend soundtrack and narration
- Headphones provide DC and AC magnetic fields for hearing aid telecoils
- 3.5 mm jack for neck loops or inputs on hearing aids and implants



QSC provides a unified solution for all your accessibility requirements with an Infrared system designed to address the needs of hearing and visually impaired patrons. Our systems transmit hearing impaired (HI) audio, visually impaired narrative (VI-N), and closed captions into an auditorium using standard infrared (IR) technology.

IRH-280i/281i Headphones

The IRH-280i/281i headphones receive audio from the IRC panels over infrared. High quality sound ensures maximum intelligibility for the hearing and visually impaired. Two models are available: IRH-280i and IRH-281i. The IRH-280i headphones include a channel switch which allows the user to select to hear either the film soundtrack (HI) or descriptive narration (VI-N) through both earcups. The IRH-281i headphones have individual volume controls for each channel, allowing the user to mix HI and VI-N to both ears at the same time.

CCH-100 Eyeglasses

With our CCH-100 closed-caption eyeglasses, Captionwear® text is projected into the user's view, and the user can adjust the position of the text. The engineered optics make the captions appear as a distant "virtual image" which minimizes eye strain due to refocusing between text and the movie image. Users may select one of up to four caption languages.

CCR-100 Closed Caption Display

The CCR-100 seat mount closed caption receiver is a private display attached by gooseneck to the seat arm. It displays the user-defined welcome message until the presentation starts,

then displays the closed captions delivered in the digital cinema package (DCP). With multi-language DCPs, the user can select which of up to four languages to view.

Optics present a distant virtual image to the user so the caption and movie screen can be viewed without refocusing the eye. The optics also reduce visibility of the display to other patrons. An optional clamp mount is available for those seats that do not have a cupholder built into the arm seat.

IRC-28 / IRC-28C / 28C-N Emitter Panels

Using infra-red (IR) light, the IRC-28 emitter panel transmits two channels of audio (HI and VI-N), while the IRC-28C and IRC-28C-N transmit both audio and caption content. The IRC-28/28C panels distribute IR energy over a wide angle, enabling IR receivers to pick up signal both from behind (when the panel is mounted at the rear of the room) and from the front, reflected from the screen. The IRC-28C-N panel features a very narrow beam and coverage angle, focusing most of the IR energy to reflect from the screen – especially useful for rooms with obstructions or where fully-reclined seats may not easily receive IR energy coming from the rear of the room.

For ease of installation, the IRC-28C/28C-N can be mounted in the projector window. For very large auditoriums, a dual panel can be mounted on the rear wall of the auditorium. Analog audio inputs can be driven by the sound processor ensuring that HI audio is present for all content (including trailers). Captions are retrieved from the digital cinema server using SMPTE protocols of Ethernet ensuring proper operation with all servers.

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