Q-LiveASR

**Hybrid Live Captioning using
Automated Speech Recognition with Human Edits
Improves Productivity and Delivers Security with Local Control**

The rapid growth of new video content and delivery solutions coupled with a shortage of skilled subtitlers and tight timetables has added significant pressure to improve subtitle productivity and quality throughout the industry. Automated Speech Recognition delivers significant benefits and new workflows to improve productivity and enable quality improvements.
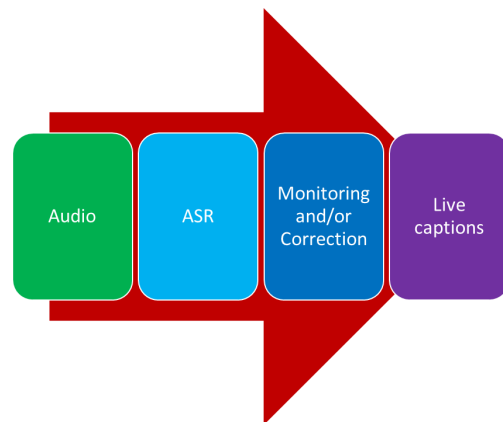
Q_LiveASR

Q-LiveASR combines Automated Speech Recognition with live human intervention that maintains quality and improves the productivity of operators.

Key Features

- Software only; On-prem or private cloud
- Cloud architecture for rapid deployment
- New ASR Manager Server plus new functionality in Wincaps Q-Live.
- New ASR input window (similar to Dragon)
- View ASR feed (text & confidence)
- Make ASR active input
- Buffer ASR to allow for quick corrections
- Override ASR via manual or apology captioning
- Prepare for resumption of automatic captions
- 2-servers per channel (main & back-up)
- Different audio feeds to main & back-up
- User controls activation and selection

System Workflow

Audio → ASR → Monitoring and/or Correction → Live captions

Security

- You maintain control
- Your assets never leave your environment
- Q-LiveASR is specifically designed for on-premise or private cloud deployment
- Low-cost, customer provided, Linux OS integrated with your storage solution

Q-LiveASR

Source Audio

- Uses VoCaption Audio Server
- Live, program audio
  - IP tested for AES-67 & SMPTE 2110-30
  - Other audio sources to be tested

Output

- Live captions/subtitles

Host Platform

- On-Premise or private cloud
  - Native Linux
  - Linux VM

Operating System

- Linux (Fedora, RHEL or SELinux)
- License Server

Container Orchestration & Application Layer

Q-Live Integration Reqirements

- Channel assignments
- Audio source
- Language
- Stored as JSon files (future web UI)

User Control via Web UI

- Status indication—all channels
- Start/stop ASR on any channel
- Assign Customer Dictionary to any channel

Vocabulary & Configuration

- **Custom dictionary:** improves ASR vocabulary, terms and accuracy
- **Word replacement:** substitutions for specific known issues with spelling or persistent mis-recognition
- **Profanity list:** special substitution list supporting wildcards and replacement strategies
- **Segmentation & timing rules**

Available Languages

Arabic	Galician	Norwegian
Bashkir	German	Polish
Basque	Greek	Portuguese
Belarusian	Hindi	Romanian
Bulgarian	Hungarian	Russian
Cantonese	Indonesian	Slovak
Catalan	Interlingua	Slovenian
Croatian	Italian	Spanish
Czech	Japanese	Swedish
Danish	Korean	Tamil
Dutch	Latvian	Thai
English	Lithuania	Turkish
Experanto	Malay	Ukrainian
Estonian	Mandarin	Uyghur
Finnish	Marathi	Vietnamese
French	Mongolian	Welsh