



## Hands-free collaboration with smart glasses and voice control

### Product description

XpertEye Essential is a voice-controlled and hands-free remote assistance solution for smart glasses. The solution connects the glasses wearer to a remote expert, creating an environment for enhanced collaboration and problem solving by sharing what the onsite user sees (see what I see).

### Core features

- **One-to-one and conference** video calls either in HD or in challenging low-bandwidth environments
- **Voice command**
- **Shared workspace:** collaborative board, view shared documents and videos within the smart glasses' screen, take pictures with the smart glasses, zoom from remote, make annotations (text, draw, arrows, etc.) from remote, pointer in the video stream...
- **Control the remote user's camera:** zoom, take a picture, flashlight, etc.
- **Presence list:** see who is online and search your contact list for instant collaboration
- **Supported smart glasses:**
  - RealWear HMT-1/HMT-1Z1 ATEX/Navigator 500 and Vuzix M400
  - ATEX Zone 1, IECEx Zone 1 and CSA C1 D1 approved for use in explosive environments
  - Water resistant, shock resistant, dust-tight
  - Integrated loudspeaker, headphone support and noise cancellation for clear communication
  - Compatible with optical and/or safety glasses and safety helmets
  - Connection to WiFi or a mobile hotspot with QR-code authentication
- **SSO compatibility** (SAML V2 Open ID Connect)
- **Supported languages:**
  - Vuzix M400: Chinese, English, French, German, Italian, Japanese, Spanish
  - RealWear HMT-1/Navigator 500: Chinese, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Thai
- **Flexible deployment options:** SaaS, on-premises, private cloud scalable hosting and closed network
- **Secure communication flows:**
  - Hosted on datacenters that are HIPAA and HDS compliant
  - AMA does not store any client data on our servers. All data (pictures, videos, documents, text, annotations) exchanged during a call are deleted once the XpertEye call is finished.
  - XpertEye uses TLS encryption technology for data protection

### Key benefits



#### Head-up display

Easy hands-free experience



#### Easy controls

Intuitive menu, managed by voice commands



#### Use in explosive environments

ATEX Zone 1, IECEx Zone 1 and CSA C1 D1 approved



#### High wearing comfort

Standalone smart glasses without wires

## Glasses technical specifications



	RealWear HMT-1	RealWear HMT-1Z1 ATEX	RealWear Navigator 500	Vuzix M400
CPU	Qualcomm Snapdragon 626	Qualcomm Snapdragon 625	Qualcomm Snapdragon 662	Qualcomm XR1 Octo core 2.52 Ghz
MEMORY	3 GB	2 GB	4 GB	6 GB
STORAGE	32 GB flash	13 GB	64 GB	64 GB
VISION AND DISPLAY	Monocular & tilting screen Flexible display Resolution: 854×480 pixels	Monocular & tilting screen Flexible display	Monocular & tilting screen Flexible display Resolution: 854×480 pixels	Monocular & tilting screen Flexible display arm nHD color displays 640×360 / 16.7 degrees
CAMERA	16 MP, autofocus and 4 axis optical image stabilization for hi-resolution	16 MP, autofocus and 4 axis optical image stabilization for hi-resolution	48 MP, autofocus and 4 axis optical image stabilization for hi-resolution	Up to 12.8 MP
XPERTEYE ENCODING	Optimized Resolution 1280x720* Limited bandwidth 320x240	Optimized Resolution 720x480* Limited bandwidth 320x240	Optimized Resolution: 1280x720* Limited bandwidth: 320x240	Optimized Resolution: 720x480 Limited bandwidth: 320x240
SOUND	Integrated 91 dB speaker 3.5 mm jack	Integrated 91 dB speaker 3.5 mm jack	Integrated 91 dB speaker 3.5 mm jack	Ear speaker
SOFTWARE	Android 6.0	Android 8	Android 11	Android 8.1
BATTERY	3250 mAh rechargeable, removable, hot-swappable full shift hour battery	3400 mAh, rechargeable	2600 mAh rechargeable, removable, hot-swappable full shift hour battery	135 mAh + 1000 mAh
WEIGHT	370 g	430 g	270 g	68 g (without the frame)
IP CODE	IP66	IP66	IP66	IP67
SHOCK RESISTANCE	Resistant to 2 meters drops onto concrete from any angle	Resistant to 2 meters drops onto concrete from any angle	Resistant to 2 meters drops onto concrete from any angle	Drop safe to 2 meters
OPERATION TEMPERATURE	From -20°C to +50°C MIL-STD-810G	From -20°C to +50°C MIL-STD-810G	From -20°C to +50°C MIL-STD-810H	from -20°C to +45°C

\*Smart glasses resolution is 480p/14fps using XpertEye Advanced