

Kiber 3 ATEX Kit | ATEX Head Unit

The multi-feature wearable hands-free device empowering field workforce



A-KT-K3 | KH3.0-HE-A



Kiber 3 Kit empowers field workforce with a wearable hardware for remote assistance based on AR technology: **a head-mounted device with a unique binocular visor, an HD video camera, a high performances set of headphones/microphone and a 4GB local storage to store documents locally.**

Designed to perform and satisfy the real needs of remote working operations.

A wearable solution allowing on-site workers to receive support while staying focused on their job with a “hands-free” solution.

- Bi-ocular high-resolution display (1280 x 960 pixel per-eye) for maximum visual comfort.
- Two display positions with magnetic clip to push the display completely out of the way when not needed.
- PPE for acoustic protection. Industrial, high quality headphones and microphone with noise suppression.
- 5Mpixel HD Camera with wide angle optic to clearly see what the technician is doing.
- High-resolution still image capture and transmission to annotate details of what is in front of the technician.
- On-board processor for optimised for low bandwidth (data compression) transmission.
- Hardware support and upgrades centrally managed.
- Can be mounted on different types of standard PPE hardhat and worn with most of safety glasses.
- ATEX Zone 1, CE, FCC compliant
- Replaceable Energy Management Units.

ITEMS INCLUDED:

KH3.0-CoS-A | [K3 Core ATEX System](#): HMD - Binocular visor, HD camera, 4GB local storage (II 2G Ex ib IIC T3 Gb)

KH3.0-HH-A | [PPE ATEX Hard Hat](#): Safety Helmet + Complimentary Helmet Chin

KH3.0-HS-A | [Headset ATEX](#): Ear protection system + Professional noise cancelling headphones set with directional microphone (Ex ia IIC T4 Ga)

KH3.0-CS-A | [Helmet Mounting ATEX Kit](#): Helmet Retention Kit

KH3.0-BHe-A | [K3 ATEX Energy Management Unit](#) (II 2G Ex ib IIC T3 Gb) see "[K3 ATEX Energy Management Unit](#)" datasheet

KH3.0-BC | [Charging system](#): see "[K3 Charging Unit](#)" datasheet

TECHNICAL SPECIFICATIONS

HEAD UNIT - DISPLAY SPECS	
Visor type	BI-OCULAR (Max Readability & Comfort)
Screen resolution	Dual Display 1280 x 960 (Native)
Helmet clip	Magnetic (with resting position out of the way)



HEAD UNIT - CAMERA SPECS	
Sensor	5M CMOS sensor
Angle of View (Diagonal) FoV	160°
Max Streaming Resolution (@30fps)	1920 x 1080 Pixel
Max photo Resolution	2592 x 1944 Pixel
DoF	From 10cm to infinity



COMMUNICATIONS SPECS	
WiFi	2.4GHz IEEE 802.11 b/g/n
Communication Protocols	TLS/SSL, HTTPS, WSS
Bluetooth	4.2 with BLE
Encryption and Security Algorithm	WEP, WPA2, WPA2 Enterprise

GENERAL INFORMATION	
CPU	1GHz ARM 11
GPU Capabilities	OpenGL ES 2.0, H.264 codec (main profile)
Internal Storage	4GB
Power consumption	3.5 W full load
Rated Ambient Temperature Range	-20 °C + 40 °C
Storage Range	-20 °C + 40 °C
IP Rating	IP65
Dimensions (W x W x D) [mm]	155 x 360 x 280 (when stored)
Total Weight (w/o Energy Mgmt. Unit)	Approx. 1000g