

Kiber 3 Kit | Head Unit

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

S-KT-K3 | K3S-HE-NA



Kiber 3S 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 12GB 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.
- CE, FCC compliant.
- Replaceable Energy Management Units

USB tethering support for an Android phone or tablet for enhanced functionalities

ITEMS INCLUDED:

K3S-CoS-NA | [K3 Core System](#): HMD - Binocular visor, HD camera, 12GB local storage
 K3S-HE-NA | [Headset](#): Ear protection system + Professional Noise Cancelling headphones set with directional microphone mounted on Safety Helmet by an helmet retention kit
 KH3.0-BHe-NA | [K3 Energy Management Unit](#): see “[K3 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	4.2with 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	12 GB
Power consumption	3.5 W full load
Rated Ambient Temperature Range	-10 °C + 40 °C
Storage Range	-10 °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