







VisioCheck® is an ultra-portable and connected «all-in-one» telemedicine station that makes it easy*, reliable and quick to take measurements of vital constants (pulse, PA, temp, Sat O2, ECG) and to provide videoconferencing teleconsultation. Certified medical device of class IIa, it was designed to facilitate the daily clinical practice of health professionals.

Features

4 essential integrated medical devices

-  A humeral cuff tensiometer (measures insufflation)
-  A non-contact infrared body thermometer
-  An electrocardiogram (5 electrodes, 7 leads AVR, AVL, AVF, DI, DII, DIII, C1)
-  A pulse oximeter



Videoconsultation with real-time data feedback via WiFi networks, 2G/3G/4G
Possible integration with a third-party medical platform



Remote visualization : wounds, injuries, pimples, throat



A sorting solution based on an expert system with artificial intelligence (Medvir inside)



Management of patient profiles (marital status, medical history, allergies, contacts) and measurements of vital constants
Anonymous mode possible which allows taking measurements in case of emergency situations



Management of user profiles (responsability, security and privacy)



Encrypted storage of health data and documents in the device
Synchronization with a secure cloud server HDS** optional. Interoperable format HL7 FHIR. APs available on request for integration third party server.

* Based on usability tests conducted in 2017 - Results : 3.8/5

** Hosting of health data



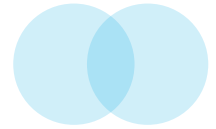
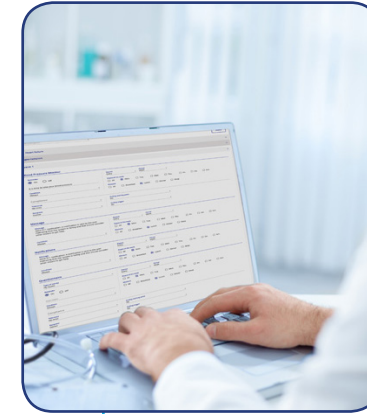
Product's benefits

- All in one, mobile and connected (less than 300g)
- Videoconsultation with real-time feedback
- Interoperable : Integration into your ecosystem through our API
- Universal connectivity
- Security and privacy



Use cases

- VisioCheck® adapts to all situations where mobility is key and access to care primary
- Healthcare facilities up to the patient's beds (mobile teams, emergency rooms in hospitals and clinics, assisted teleconsultation in nursing homes, etc.)
 - Traveling health professionals for better mobility (home visits, medical transport, emergencies...)
 - Point of care to adapt to any type of space (pharmacies, public places, corporate medicine, school medicine)



Additional solutions

See product sheets



Secure HDS cloud – storage and interoperability solution for patient data



BewellXpert - Telemonitoring and care coordination platform



Medical tray

Tray of general medicine without appointment in access 24/7

Tray of general medicine and specialty medicine on VR (follow-up of chronic patients)

VisioCheck - Ref : BW-X07HD. This class IIa medical device is a regulated health product that carries CE - CE 0197.

EC REP Visiomed Group SA.

Read the BW-X07HD manual (April 2018).

The 1st mobile and connected telemedicine station of less than 300g.

See product sheets.

www.bewell-connect.com/en/pro-solutions/

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Technical aspects

Name	VisioCheck®	
Brand	BewellConnect	
Reference	BW-X07HD	
Classification	Class IIa medical device	
Technical specifications		
Processor	CPU (processor)	Qualcomm MSM8909
	Type	Cortex A7
	Number of cores	Quad Core
	Frequency	1,1 GHz
RAM	Storage capacity	1 Go
ROM	Storage capacity	8 Go
Operating system	OS version	Android 5.1
LCD	Screen size	3,97 in
	Colour graphic	16 M
	Screen resolution	480*800
Camera	Front camera	5.0MP (2592x1944) Autofocus
	Flash	Yes
Loudspeaker	Built-in	8 Ω / 0,5 W x 1
MIC	Built-in	Yes
Motion sensor	Built-in	Yes
Ingress protection	IP22 - Protection against extraneous matter (> 12.5mm); protection against water droplets (maximum inclination 15°).	
Headphones	CTIA standard cable socket 3,5mm	
Charging	Micro-USB	
Battery indicator	Blue/Green	
Battery	Li-ion battery 3,7V / 2500mAh Input : 100-240V~50/60Hz, 500mA - Output : 5,0V - 2,0A.	
Use	Temperature : 5~40°C (41~104°F) - Humidity : 15~95% Atmospheric pressure : 70~106kPa (non-condensing)	

Storage	Temperature : -10~+50°C (14~122°F) - Humidity : 10~95% RH Atmospheric pressure : 50~106kPa (non-condensing)	
Size and weight		
Size	172*87*30mm (length*width*height) - Approx. 6,77*3,43*1,16in	
Weight	298g / 10,5 oz (excluding accessories)	
Lifespan		
Lifespan of the battery	500 full charging cycles (capacity fails by 10% every year)	
Lifespan of the device	5 years	
Guarantee	2 years parts and labour - See the details of the guarantee in the relevant section	
Wireless communication		
Wi-Fi	Built-in	Yes
	Version	802.11b/g/n
Bluetooth	Built-in	Yes
	Version	4.0
GPS	A-GPS	Yes
3G (WCDMA)	Frequency band	B1
4G LTE-FDD	Frequency band	B1, B3, B7, B20
Blood pressure		
Measurement method	Inflation + MAP (mean arterial pressure)	
Range of measurements	Pressure : 0-295mmHg (0-39,3kPa) - Pulse : 40-180 beats per minute	
Accuracy of measurements	Pressure : ±3mmHg (±0,4kPa) - Pulse : ±5%	
Oximeter		
Measurement method	Infrared and absorption spectrometry	
Range of measurements	Oxygen saturation : 0-100% - Pulse rate : 25~250 beats per minute - PI : 0,05~20%	
Accuracy of measurements	80~100% : ±2% - 70~80% : ±3% - Pulse rate : ±3 beats per minute	
ECG		
Measurement method	5 electrodes, 7 leads	

Technical aspects

ECG connecting wire	I, II, III, aVR, aVL, aVF, V
Range of direct current voltage	±300mV
Range of differential voltage measured	±5mV
Accuracy of current measured	±5%
Heart rate measurement	Range : 15~300 bbeats per minute - Accuracy : ±1 beat per minute, or ±1%
Sweep and accuracy rate	25mm/s; ±10%
Gain and accuracy	25mm/mv 5mm/mv 10mm/mv 20mm/mv, ±10%
Frequency	Diagnosis mode : from 0,05 to 150Hz - Monitoring mode : from 0,5 to 40Hz - Surgery mode : from 1 to 20Hz.
Temperature	
Range of measurements	Body temperature : 32,0~43,0°C / 89~109,4°F
Speed of measurements	1-2s
Site of measurement	Forehead
Distance for measurements	2-5cm / 1-2 in

Display resolution	0,1°C / 0,1°F
Measurement accuracy	±0,2° (35-42°C / 95-107,6°F) - ±0,3° outside this range
Units of measurement	°C/°F
Standard accessories included	
<ul style="list-style-type: none"> - BW-XA22-42 : Arm cuff (22~42cm / 8.6~16.5in) - BW-XSPOS : SpO2 pulse oximeter sensor - BW-XSPOC : Extension cable for SpO2 pulse oximeter sensor - BW-ECG5/7 : ECG cable 5 electrodes / 7 leads - BW-ELEC10 : Pack of 10 single-use stick-on electrodes - BW-XDC2A : Mains adaptor 5V 2A with USB cable (length 1m) and EU/US/UK adaptor - Protection case - ITE headphones with microphone 	
Other accessories (optional)	
<ul style="list-style-type: none"> - BW-XA12-19 : Child's arm cuff (12-19cm / 4.7~7.4in) - BWXA17-25 : Medium arm cuff (17-25cm / 6.6~9.8in) - BW-XA22-36 : Standard arm cuff (22-36cm / 8.6~14.1in) - BW-XA22-42 : Large arm cuff (22-42cm / 8.6~16.5in) - BW-XA32-52 : XL arm cuff (32-52cm / 12.5~20.4in) - BW-XSPOP : Single-use SpO2 pulse oximeter sensor for paediatric use 	