

VIEW POINT SYSTEM

MAKING FUTURE REALITY



VPS 19 FOR RESEARCH, TRAINING, DOCUMENTATION & REMOTE SUPPORT

THE VPS 19 AT A GLANCE:

- Bi-directional communication (audio/video/digital content)
- Add drawings, written instructions, information or scribbles on pictures to guide and ensure fast problem solving
- Efficiency through gaze point visualization – enabling interpretation free communication
- Ready to use: operational right out of the box, only Wifi needed.
- High wearing comfort – stability in movement

The system is individually expandable.

VPS 19 SPECIFICATIONS

WORKS IN
REAL-LIFE
CONDITIONS

QUICK &
EASY
CALIBRATION

EYE TRACKING GLASSES

WEIGHT		43 grams (excluded lenses)
CAMERA	Eye Tracking	Patented 2 camera video oculography system, insensitive to ambient light, frame rate: 60 fps
	Front Camera	2112 x 1562 pixel 86° field-of-view diagonal, 74° horizontal, 58° vertical; frame rate: 30 fps
SENSORS	IMU	9-DOF (3-axis accelerometer, magnetometer and gyroscope)*
LEDs	Light sensor Display Eye lighting	Adaptive ambient light sensor 3x RGB LEDs 2x IR-LEDs
AUDIO	Microphone	Digital High-SNR SiSonic™ Microphone
CONNECTIVITY	Wired connection	USB 3.1 Type C

SMART UNIT

WEIGHT		600 grams
PLATFORM	Operation System	Linux
	Chipset: • CPU • GPU	NVIDIA Jetson TX2 Module ARM Cortex-A57 (quad-core) + NVIDIA Denver2 (dual-core) @2 GHz 256-core NVIDIA Pascal @ 1.3 GHz
	Memory	64 GB Flash memory / 8 GB RAM
	Display type	5" full colour touch display / safety glass, Resolution: 1280 x 720 pixel; brightness: 400 Nits
APPS		Eye Tracking, Streaming, Recording, PC Connect, SW Update
CONNECTIVITY	Wired connection	3x USB Type C
	Mobile Data WiFi Bluetooth	LTE Advanced 4G+ 802.11a/b/g/n/ac 2x2 867Mbps (dual band 2.4 GHz and 5 GHz) Bluetooth 4.1
SENSORS	IMU	9-DOF (3-axis accelerometer, magnetometer and gyroscope)*
CONTROLS	Status LED Operation keys	Pressure, ambient light 1x RGB 4 physical buttons
TRACKING	Geo Location	GPS, GLONASS, GALILEO*
AUDIO	Headset	Connected via USB-C
BATTERY	Internal battery	Capacity: 1150 mAh
	Replaceable battery	Capacity: 3350 mAh

OPEN
ECO-
SYSTEM

ACCESSORIES

PRESCRIPTION LENSES	Replaceable optical lenses, optional: -4 to +4 diopters
NOSEPADS	4 sizes included
TEMPLES	exchangeable
BATTERY PACK	1 included

CERTIFICATIONS & STANDARDS

EU / USA / Japan	CE, FCC, MIC, PSE, IC
Eye Safety Eye Protection	EN 62471 EN 166 S

*version-dependent

