

HaptX Gloves DK2 Technical Specifications

Gloves (general)

Weight	1.2 lbs (500 g) each
Size	One size fits all
Best fit size range	Women's M to Men's XL
Tether length	4 ft (1.2 m)

Gloves (tactile feedback)

Num. tactile actuators	133 per glove
Peak pressure	8 psi (55 kPa)
Max. actuation frequency	250 Hz
Inflation time	35 ms
Max. displacement	0.08 in (2 mm)

Gloves (force feedback)

Num. force actuators	5 per glove
Peak hold force	8 lbf (35 N) per digit
Min. force (retract force)	.04 lbf (.18 N) per digit
Engagement time	30 ms

Gloves (motion capture)

Number of sensors	5 per glove
Positional precision	0.008 in / 0.2 mm rms
Rotational precision	0.15 deg rms
Number of tracked DoFs	30 per glove
Latency	20 ms
Update rate	125 Hz

Air Controller

Num. regulated channels	144
Pressure resolution	12 bit
Weight	18 lbs (8 kg)
Size	12 x 15 x 6 in (30 x 38 x 15 cm)
Typ. conversion time	<60 sec
Peak power	120 W

Smart Compressor

Weight	33 lbs (15 kg)
Size	15 x 13 x 11 in (38 x 33 x 28 cm)
Peak flow rate	0.5 SCFM (15 SLPM)
Max. pressure	50 psi (350 kPa)
Air quality	ISO 8573-1: 7:4:0
Peak power	280 W

PC requirements

Processor	3.5 GHz quad core or better
GPU	GeForce GTX 1070/Radeon RX 480 or better
Memory	16 GB RAM or more
Video output	(if using Vive Pro) DisplayPort 1.2 or newer
USB port	1x USB 2.0 or newer; (if using Vive Pro) 1x USB 3.0 or newer
Operating system	Windows 10 (64 bit)
Supported HMDs	HTC Vive headsets and third-party devices that use SteamVR Tracking

Recommended

Minimum

Core i5-4590/FX 8350 or better
GeForce GTX 970/Radeon R9 290 or better
8 GB RAM or more

