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VIRTUAL TRACKING

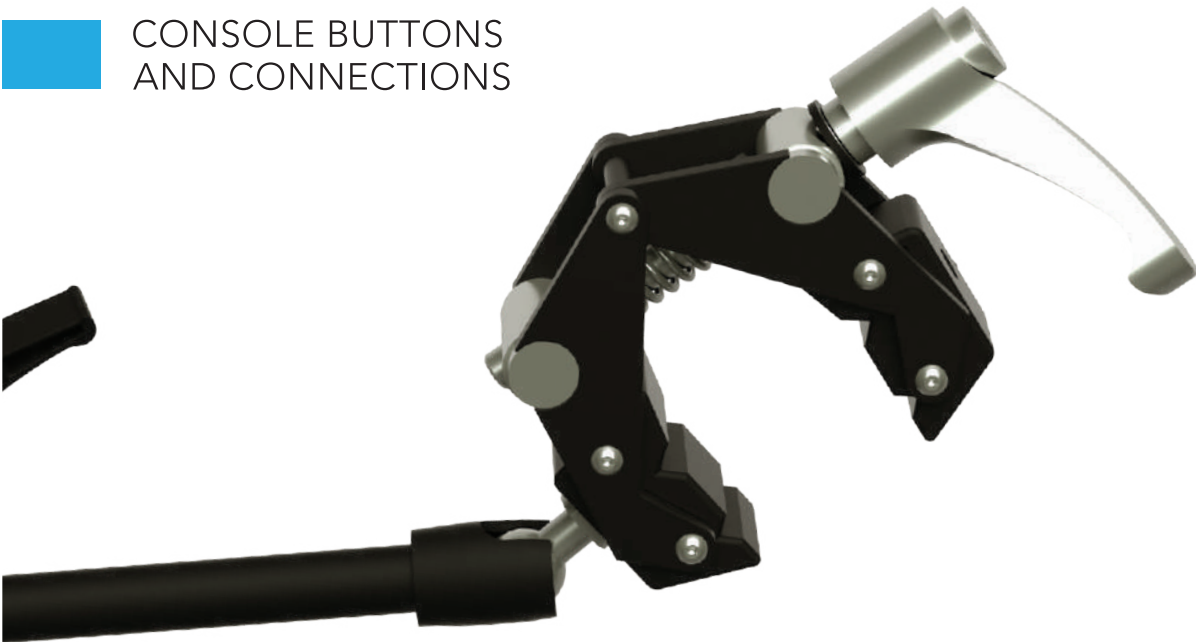
VINTEN 950 HEAD & CONSOLE

FOR VIRTUAL STUDIO
AND AUGMENTED
REALITY BROADCAST





CONSOLE BUTTONS
AND CONNECTIONS



1	POWER BUTTON	2	USB	3	LAN
	Switching the console on and off		Mini USB for console - PC connection		Ethernet connection to render engine
4	PWR	5	HEAD	6	FOCUS
	Power source via 2-pin LEMO connector		stYpe fluid head via 8-pin LEMO connector		stYpe external focus encoder via 4-pin LEMO connector
7	ZOOM	8	LENS	9	LTC
	stYpe external zoom encoder via 4-pin LEMO connector		Serial/Analog* lens connection via 14-pin LEMO connector		Used to receive SMPTE timecode data via BNC connector
10	SYNC	11	CRANE, DOLLY and MISC		
	Genlock signal via BNC connector (bi-level or tri-level)		Provide system expansion to multiple channels for use on crane, dolly and other		
NOTES:					
* Normally we use either the stYpe external Zoom/Focus encoders or the internal Lens encoders via 20-pin connector (e.g. on Canon IRSE/IASE lenses or Fujinon lenses equipped with Virtual Connector)					

FINALLY,
A TRACKING SYSTEM THAT IS EASY TO SETUP AND WORKS EVERYWHERE.
EVEN OUTDOORS.



SPECIFICATIONS

PAYLOAD	16 -120 kg
WEIGHT	18 kg
COUNTERBALANCE	Perfect Balance System
GRADES OF TILT DRAG	0-9
GRADES OF PAN DRAG	0-9
TILT RANGE	-90°/+85°
TRIPOD FITTING	150 mm

TECHNICAL SPECIFICATIONS
TABLE

SERIAL PORT	RS-422, 38 400 kbps
PROTOCOLS	FREED, STYPE A5, STYPE HF
ETHERNET	UDP over IP
DATA OUTPUT	Genlock synchronized
BACKUP	Offsets are permanently stored in nonvolatile memory
ENCODER INPUT (8 CHANNELS)	Pan, Tilt, Zoom, Focus, Dolly
RECALIBRATION TIME AFTER POWER UP	No recalibration required, absolute sensors
DOLLY	Travel on tracks (rail)
TRACK MAX LENGTH	20 meters
CAMERA TILT ANGLE	up to 60 kg payload: -90°/+85° 120 kg payload: -60°/+60°
CAMERA PAN ANGLE	360 degrees
ACCURACY (ANGLE)	+/-0.0001 degrees

SUPPORTED LENSES



CANON DIGITAL CABLE

Ability to read the data from the virtual encoder. If no virtual encoder is installed it can read data over serial protocol.

Suitable for IASE, IRSE and Box lenses.



FUJINON DIGITAL CABLE

Ability to read the data from the virtual encoder. If no virtual encoder is installed it can read data over serial protocol.

Suitable for Portable and Box lenses equipped with Virtual Connector.



OTHER LENSES

stYpe external Zoom and Focus encoders can be easily mounted on lenses which do not have internal encoders.

Canon and Fujinon gears are shown here.

COMPATIBLE RENDER ENGINES



PARTNERS AND REFERENCES



MTV MOVIE AWARDS, MTV, ORAD | DAYTONA 500, FOX SPORTS, VIZRT | SCOTTISH REFERENDUM, BBC, VIZRT | FIFA WOMEN WORLD CUP, BBC, VIZRT | D-DAY 70TH ANNIVERSARY TV2 FRANCE, ORAD | FIFA WORLD CUP BRASIL, BBC SPORT, VIZRT | WIMBLEDON, BBC SPORT, VIZRT | PRESIDENTIAL ELECTIONS, NOVA TV, VIZRT | HEINEKEN CUP, SKY SPORTS, VIZRT | OUTSIDE AR BROADCAST, FOX SPORTS, VIZRT

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