

VRC Robotic Control Systems

HD-VRC

Control System

The HD-VRC sits at the heart of Vinten robotic solutions, helping to control fresh perspectives that support your production's distinct identity.

The Vinten HD-VRC Control System provides multi-user, multi-facility control of Vinten and selected 3rd party robotics.

The HD-VRC enables highly accurate positioning of the camera, and provides shot storage and recall of all axis in an easy one-touch operation. For supported cameras shading settings may also be saved with the stored shot for recall.

Ease of use is complemented by powerful functionality, including the creation of developed, curved moves through a sequence of operator defined 'waypoints'. Supported by the latest range of Vinten robotic hardware, sequences can be used to create beauty/signature shots. This brings something special to the visual production which can be used as a brand identifier to catch the attention of the target audience.

The flexible, standards compliant Ethernet network architecture of the HD-VRC allows users to increase both

production efficiency and output. The Windows based touchscreen user interface allows a single controller to be configured to control multiple devices within the same logic sub-network, or across separate network segments – allowing studios in distant cities or even continents to be presented in a unified way. For full operational flexibility multiple controllers can be added to the network, enabling shared control of any studio from any control room, supporting failover for redundancy and load balancing for larger networks of robotic devices.

A range of joystick control panels are available to match the requirements of the user, offering optional pedestal controls (X/Y/Z) and camera shading controls as well as preferred positioning of the focus control. Video switcher and tally interfaces provide live on-air camera feeds for monitoring purposes and thumbnail video capture. For fully automated operation an optional interface enables pre-set shots to be triggered by all major playout systems.

Take control - Shot storage of all axis in a one-touch operation

Create your signature - Produce developed, curved signature moves

Build efficiency - Control any studio from any control room

Integrate your workflow - Interface to third party devices and automation playout systems



μVRC Control System

An ideal controller for small productions, the μVRC can also be added to an HD-VRC network, offering a cost effective small studio or newsroom control option within a larger facility solution.

The Vinten μVRC (Micro VRC) consists of VRC software, an intuitive touch screen control surface with built-in PC, and a responsive and compact USB joystick control unit.

This easy-to-configure modular version of the full VRC software provides access to various features including camera select, pre-set shots, essential shading, and video switcher integration. Users can extend the standard functionality through additional software features and add-ons, such as third-party PTZ integration.

The μVRC is the perfect companion to the Vinten Vantage compact robotic head, controlling up to four as standard. Users have the flexibility to extend the system as their production requirements grow, with options for increasing the number of Vinten Vantage heads, as well as adding PTZ cameras and larger Vinten robotic equipment including heads, pedestals and tracks.

For large studios the μVRC is the perfect companion as an extension controller on the studio floor, or adjacent to a flashcam position, with full interaction and interactivity with a network of HD-VRCs.



Take control - Shot storage of all axis in a one-touch operation

Maximise your budget - Superior quality broadcast control features at a lower cost

Integrate your workflow - Networks with HD-VRC; connects with third-party video switchers

Adapt and grow - Modular system with option to expand functionality through licenced add-ons



Technical Specification

	Vinten HD-VRC	Vinten µVRC
Part number	V4063-0013	V4063-0010
Vinten robotics supported		
Ethernet Robotic Devices excl. Vinten Vantage ¹	Yes	Option
Vinten Vantage	Yes	Yes
Fusion EPL Robotic Devices ²	Yes	Option
Operator Control Panel	Single or dual joystick Options	Single or dual joystick Options
Joystick panel included	No	USB compact single
PTZF	Yes	Yes
X/Y/Height (Pedestal)	Yes	Option
Black Level/iris knob	Option	Option
Multiple studio target support	Yes	Yes
No. of controllable Vinten Vantage P&T heads	Unlimited	4
Increase controllable devices to 8	N/A	Option
Increase controllable devices to unlimited	N/A	Option
Networkable controllers	Yes	Option
Number of controllers	Unlimited	Unlimited
Replication of controller database	Yes	Option
Database backup	Yes	Option
Failover with automatic switching	Yes	Yes
Easy to use Graphical User Interface for configuration	Yes	Yes
Auto discover	Supported Devices ³	Supported Devices ³
Shows	Yes	Yes
No. of shows	Unlimited	Unlimited
No. of Shot Stored	Unlimited	Unlimited
Choose to display all shots for all cameras	Yes	Yes
Choose to display only shots for selected camera	Yes	Yes
Stored shot thumbnails	Yes	Option ⁴
Keyframe sequencing ⁵	Option	Option
Control 3rd Party integrated PTZ cameras		
Panasonic AW-HE40/70/130	Option	Option
Sony BRC330/700/900 ⁶	Option	Option
Canon BU45/46/47/51 & XU81	Option	Option
CCU/shading control ⁷	Option	Option
Video switcher integration		
Camera preview	Yes	Yes
Grass Valley Native Protocol (series 7000)	Yes	Yes
Configurable for most video switchers ⁸	Yes	Yes
IP control	Yes	Yes
Serial control	Yes	Yes
Tally control	Yes	Yes
Broadcast system/box camera CCU/shading ⁷		
Sony ⁹	Option	Option
Panasonic AK-UB300 compatible	Option	Option
Pro-camcorder/DSLR CCU/shading ¹⁰		
Sony LANC ¹¹	Yes	Yes
Canon RC-V100 compatible	Yes	Yes
AJA RoVoCam	Yes	Yes
Cut/Fade/Stop	Yes	Yes
Black Level/iris adjust	Yes	Yes
CAMERA OSD ON/OFF/MENU/NAVIGATION ¹²	Yes	Yes

[1] FH-200, FH/R-155, FH/R-145, FHR-35, FP-210+, FP-188+, FBH-175+ and Hexagon floor and ceiling tracks.

[2] FH-100, FH120, FP-145, FP-188 and FP-210

[3] FH/R-155 and Vinten Vantage

[4] µVRC requires an external DirectX compatible USB3 video capture card and software licence to allow thumbnail capture

[5] Vinten current and future robotics - not supported on legacy robotic products

[6] Unlisted Sony BRC models can be controlled, and will use the BRC-900 profile

[7] Direct access CCU functions camera dependent

[8] Evertz Quartz Routing Switcher Remote Control Protocol, Leitch Panacea Telnet (Xpoint), GVG ASCII and Grass Valley Jupiter examples pre-configured

[9] Uses / compliant with Sony CNA-1

[10] Vinten Vantage, FH/R-155

[11] Menu navigation and lens joysticking only

[12] Camera dependent