

# NetVu KBC2/U

# Joystick & Keypad

## Installation and Operation Manual



### Version History

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## Important Safeguards

### Read Instructions

All the safety and operating instructions should be read before the unit is operated.

### Power Sources

This unit should be operated only from the type of power source indicated on the manufacturer's label.

### Servicing

Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards.

Refer all servicing to qualified service personnel.

### Ventilation

Ensure unit is properly ventilated to protect from overheating.

All the safety and operating instructions should be read before the unit is operated.



To prevent fire or shock hazard, do not expose this equipment to rain or moisture. The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user of this equipment that there are dangerous voltages within the enclosure which may be of sufficient magnitude to constitute a risk of electric shock.



This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

This section contains the regulatory declarations for the EU for the Camera.

This product is marked with the CE symbol and indicates compliance with all applicable Directives.

A "Declaration of Conformity" is held at NetVu Ltd, No 1 Thellow Heath Park, Northwich Road, Northwich, Cheshire, CW9 6JB.

Hereby, Dedicated Micros LTD, declares that this Unit Camera is in compliance with the essential requirements and other relevant provisions of Directive 95/5/EC.

Marking by the symbol CE indicates compliance of this Dedicated Micros product to the

Electromagnetic Compatibility Directive 89/336/EEC, and the Low Voltage Directive 73/23/EEC of the European Union. Such marking is indicative that this system meets the following technical standards

- EN 62000-3-3 Limitations of voltage changes, fluctuations and flicker in public low-voltage supply systems for equipment with rated current up to 16A.
- EN 61000-3-2 Limits for harmonic current emissions for equipment with rated current up to 16A.
- EN 55024:2010.

Further details about these applicable standards can be obtained from NetVu Ltd, No 1 Thellow Heath Park, Northwich Road, Northwich, Cheshire, CW9 6JB.

## RF Interference warning

This is a class A product. In a domestic environment this product may cause radio frequency interference, in which case the user may be required to take adequate measures.

## Regulatory Notes and FCC and DOC Information

(USA and Canadian Models Only)

Warning: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense. If necessary, the user should consult the dealer or an experienced radio/television technician for corrective action. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from the US Government Printing Office, Washington, DC20402, Stock No. 004-000-00345-4.

This reminder is provided to call the CCTV system installer's attention to Art. 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.



## CE Mark

If this product is marked with the CE symbol it indicates compliance with all applicable directives.

Directive 89/336/EEC. A 'Declaration of Conformity' is held at NetVu Ltd, No 1 Thellow Heath Park, Northwich Road, Northwich, Cheshire, CW9 6JB.

## Installing the Unit

### Before you start check the contents of the box

The box should contain the following items:



KBC2/U Joystick Keypad



Installation Accessories;

- Mains: Power Adaptor,
- Mains Power Cable,
- USB.

## Installation

The KBC2/U Joystick keyboard is specially developed by NetVu for use with its Digital Video Recorders (DVRs) and Enterprise Observer Software.

Consequently, it offers optimal ergonomic performance as part of a NetVu Closed IPTV system.

The KBC2/U uses a USB connection and is supplied with a separate dedicated power supply. Consequently, the keyboard should be installed in a clean, dry and stable location, where the monitors being controlled can be easily seen.

The KBC2/U keyboard is equipped with a USB interface. This means that in practice, the USB specification limits the length of a cable between the keyboard and the DVR or PC to 5 meters maximum. For longer distances some form of USB extension device must be used.

## Connection

The supplied USB cable should be used to connect the keyboard to the DVR (or PC) to be controlled.

Cables up to 5 metres in length compliant to USB standard may also be used. For longer distances some form of USB extension device must be used.

## Using the Keyboard

*KBC2 Keyboard*



A brief description of the function of each of the keyboard keys is as follows :

Note: not all of the keyboard functions will apply, depending on whether a DVR or PC is connected to the keyboard

Key	Function
	Displays the Softkeys menu if not currently on screen (if available). Selects the colour coded item displayed on screen.
	Toggles between Live and Playback modes.
	Removes the Softkeys from view if they are on screen. Toggles the visibility of on-screen text and status bar if no Softkeys are on screen. (For future use).



For future use.



Displays the Softkey options for the Audio functions (for future use).



Forces all the cameras to record in alarm mode for three minutes, or until the button is pressed again.



Displays the archiving options.



Live mode - No functionality.  
Play mode - Starts fast forwarding from play time.  
Rewind mode - Starts fast forwarding from play time.  
Pause mode - Steps forward one frame











Live mode - Puts unit into reverse playback from current time.  
Play mode - Starts rewinding from play time.  
Rewind mode - Increases the rewind speed.  
Pause mode - Steps back one frame.














Live mode - Freezes the current display window.  
Play mode - Pauses video in playback.



Live mode - puts the unit into playback using the last stored playback time.

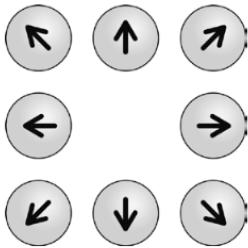
Key	Function
	Displays the Events list menu.
	Opens the GOTO menu.
	For future use.
	Toggles control from Main to Spot monitor.
	Allows the numeric selection of a camera (numeric selection defaults to camera selection).
	Allows entry of camera and Preset and numbers.
	For future use.
	For future use.



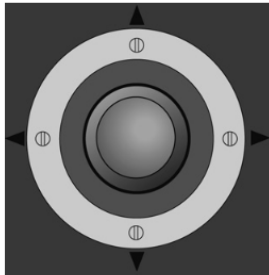
Key	Function
	Triggers the wash function on a telemetry camera.
	Triggers the wipe function on a telemetry camera.
	Switches on the lamp on a telemetry camera.
	Adjusts the focus to objects nearer the camera.
	Adjusts the focus to objects further from the camera.
	Closes the Iris on a Telemetry camera.
	Opens the Iris on a Telemetry camera.
	Zooms in on a telemetry camera and also provides electronic zoom out.
	Zooms out on a telemetry camera and also provides electronic zoom in.
	Sends a Patrol command to a telemetry camera.
	Instructs the selected telemetry camera to automatically pan (on cameras that support this function).

Key

Function



Used as menu and on-screen navigation keys  
Pan and tilt control for telemetry cameras.



Used as menu and on-screen navigation keys  
Pan and tilt control for telemetry cameras.



In Play mode: Used to Mark Start/End positions.  
In Live mode: Displays the Copy List and archive controls.



Exits menus.

## Glossary

AGC	Automatic Gain Control
ALPR	Automatic License Plate Recognition (US)
AMS	Archive and Management System
ANPR	Automatic Number Plate Recognition (UK and Europe)
AoE	ATA over Ethernet
ARC	Alarm Receiving Centre
ATA	Advanced Technology Attachment
BMS	Building Management System
BNC	Bayonet Neill–Concelman (connector used for <a href="#">coaxial cable</a> ).
CCTV	Closed-Circuit Television
CIF	Common Intermediate Format
CIP	Closed Internet Protocol
CIPTNET	Closed Internet Protocol <a href="#">Telnet</a>
CMOS	Complementary Metal-Oxide-Semiconductor
CRT	Cathode Ray Tube
CSV	Comma Separated Values
DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name Server
DoS	Denial of Service
DVR	Digital Video Recorder
EDP	Electronic Data Processing
EOL	End of Line
FACP	Fire Alarm Control Panel
FoV	Field of View
FQDN	Fully Qualified Domain Name
FSV	Fail-Safe Video
FTP	File Transfer Protocol
GMT	Greenwich Mean Time
GUI	Graphical User Interface
ICR	In-Camera Recording (Edge Recording)
ID	Identity
IDE	Integrated Development Environment
IP	Internet Protocol
IR	Infrared

- IRE A unit used in the measurement of composite video signals
- LAN Local Area Network
- LLDP Link Layer Discovery Protocol
- MAC Media Access Control
- MDNS Multicast Domain Name System
- MIME Multipurpose Internet Mail Extensions
- MTU Maximum Transmission Unit
- N/C Normally Closed
- N/O Normally Open
- NTSC National Television System Committee (a colour encoding system for analogue television used in North America and Japan).
- NVR Network Video Recorder
- ONVIF Open Network Video Interface Forum
- OSD On Screen Display
- PAL Phase Alternation Line (a colour encoding system for analogue television).
- PAR files Video Partition files
  - PIR Passive Infrared
  - PLC Programmable Logic Controller
  - PoE Power over Ethernet
  - PPP Point to Point Protocol
  - PPS Pictures Per Second
- PSIM Physical Security Information Management
  - PTZ Pan-Tilt-Zoom
- RTOS Real-Time Operating System
  - RTU Remote Terminal Unit
- RVRC Remote Video Response Centre
  - SAP Service Access Point
- SCADA Supervisory, Control and Data Acquisition System
  - SIA Security Industry Authority
  - SMB Server Message Block
  - SNTP Single Network Time Protocol
  - SoW Scope of Work
  - SQL Structured Query Language
- TCP/IP Transmission Control Protocol / Internet Protocol
  - TTL Time To Live

- TVL Television Lines
- UDP User Datagram Protocol
- UPS Uninterruptible Power Supply
- VSaaS Video Surveillance as a Service
- VESA A family of standards defined by the [Video Electronics Standards Association](#) for mounting mount [flat panel monitors](#), [TVs](#), and other displays to stands or wall mounts.
- ViSP Visual Signal Processor
- VLAN Virtual Local Area Network
- VMD Video Motion Detector
- VPN Virtual Private Network
- VSD Visual Smoke Detection
- UDP User Datagram Protocol
- UI User Interface
- WEEE Waste Electrical and Electronic Equipment
- WDT Watchdog Timer
- Zeroconf Zero Conflict