Quick Start Guide

This Quick Start Guide will help you through the initial installation, configuration and basic operation of the HD NetVu Console.

This unit also operates as a universal Encoder and DVR.

Use this document in conjunction with the Installation & Operation Guide. This is located on the Product CD supplied with the unit and can also be found on the Dedicated Micros website (dedicatedmicros.com).

Check the contents of the box

Remove the packaging and check all items listed below are present.

- HD NetVu Console high definition console / universal encoder and ICR Server
- 24Vdc PSU
- Mains cables
- NetVu Console Keyboard
- USB Mouse
- Quick Start Guide
- Installation and Operation Guide (CD)
- External Storage Setup Guide

If any of these items are missing; please contact the Dedicated Micros Customer Service team on +44 (0) 845 600 950

Operation Modes

The unit has three selectable modes of operation (Console / Encoder / DVR). 'Console' is the default mode. The unit will operate in Console mode 'out of the box'. The mode of operation is set on the System->Features->System page.

Console mode

Console mode allows control and viewing of cameras/DVR video sources over an Ethernet connection. Any NetVu Connected video server can be viewed and controlled remotely in Console mode.

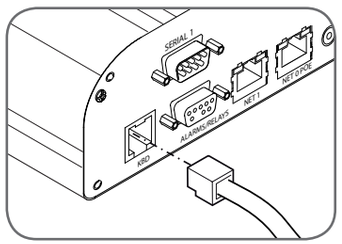
Encoder Mode

Encoder mode allows up to four analogue cameras to be connected. If one or more of these cameras have PTZ control; RS485 telemetry can be utilised via a connection to the unit serial port.

In place of an analogue camera, a 3rd party IP camera can be connected to the Ethernet port labelled 'NET1' for recoding as a NetVu connected device. ICR Recording can be via a removable micro SD card, external USB drive or ATA over Ethernet (AoE) drive / RAID.

DVR Mode

DVR mode allows the unit to operate as a fully fledged, enterprise class video server supporting analogue and IP image sources. Recording can be via a removable micro SD card, external USB drive or ATA over Ethernet (AoE) drive / RAID.



The HD NetVu Console supports up to four (4) Analogue Video Inputs in DVR mode and in Encoder Mode. These are connected via the 75Ω BNC connectors marked 'CAM1' to 'CAM4'.

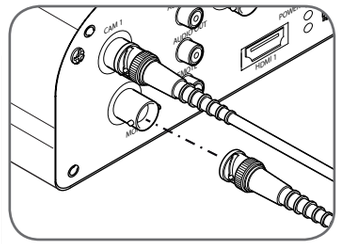
The unit supports a main monitor via 'HDMI' and BNC 'MON A'.

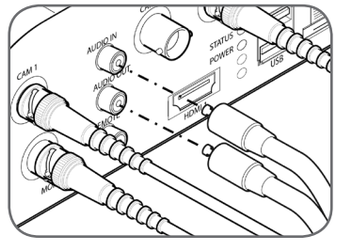
IMPORTANT

The unit will boot up in SAFE mode.

This allows viewing on both composite and HDMI (if HDMI is connected during BOOT UP).

Safe mode is suboptimal, and an appropriate display setting should be configured in the Viewer Defaults configuration pages.



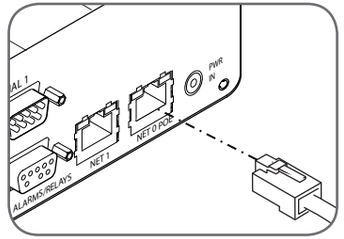


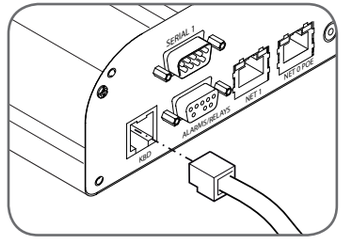
The unit supports one channel of bi-directional audio. Connect the audio equipment to the phono sockets labelled AUDIO IN and AUDIO OUT.

The HD NetVu Console supports two 10/100Mbps auto-detecting network port. Use a CAT5 cable to connect the unit to the network.

The unit also supports Power over Ethernet (PoE) via port 'NET 2 / POE'. This allows the required power supply to be drawn via the ethernet port.

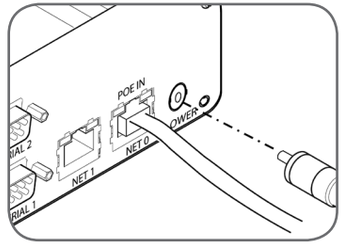
Note: *The PoE function must be used in conjunction with a PoE capable switch or PoE Injector.*





The HD NetVu Console interfaces with the NetVu Console keyboard via the RJ12 keyboard socket. The keyboard can be used to control all servers linked to the NetVu Console.

Connect the 12v DC power adaptor (supplied) to the unit and then to a wall socket, or to a fused spur connection. To be compliant with wiring regulations in some countries, an Alarm/Security device should be connected to a fused spur and not a wall outlet socket (check local regulations before installation).



Accessing The Configuration/Viewer Menus

The unit can be configured either on the local monitor or over a network connection using a PC and web browser.

Accessing the Configuration menus on a local monitor

Connect the USB mouse to the unit, Images from camera input 1 will be displayed on the local monitor. Move the cursor of the USB mouse to the bottom of the screen. The colour bar will be displayed. Select 'Next' (Purple) until the 'Menu' (Blue) option is displayed. Selecting 'Menu' will display the Configuration menu pages.

Accessing the Configuration/Viewer menus via a PC web browser

The IP address of the unit is required to access the webpages. The DHCP assigned address can be identified via the System Settings->System pages. Using the local monitor, navigate to the System menu. The DHCP IP address will be displayed. A fixed IP address can be assigned via the Network menu.

To access the unit via DNS, the default address will be:

<machine serial number>.<yourdomain>.com

The <machine serial number> is displayed on the underside of the unit (and on the System menu page).
<yourdomain> relates to the name assigned to the local DNS network.

The default DNS address can be renamed via the Network menu.

- Launch Internet Explorer (or other web browser package).
- Type the URL for the unit.
- The Main Menu will be displayed.

External USB Storage

The unit supports external USB storage for video images when used as an ICR encoder or as a DVR, for detailed instructions refer to the manual on the CD.

1. Navigate to System -> Video Storage.
2. Plug a USB storage device into one of the available USB ports and click the purple Refresh button. The newly connected device will be displayed with a '/udd' prefix.
3. The device should be formatted Click on the 'Format' button adjacent to the device listing to prepare the device for recording.
4. Allocate the formatted and mounted storage for video storage by clicking on the 'Allocate' button. Allocation can take a few minutes, depending on the size of the drive, and the Feedback column will display information about the allocation process.

Note: *The unit application drive is protected; if it is allocated, the unit will only remove the video folder. Formatting any other device will remove all data. In either case recording on the system is halted while formatting and, if already allocated, the formatted device will be de-allocated as a video storage device*

5. The unit will require a Reset once allocation is complete. The system displays a confirmation box to ensure the correct device has been selected. Click OK to confirm, then reboot the system. Once the power has cycled, the system will build the required PAR files ready for recording to commence, progress will be displayed in the Feedback column.

Note: *There will be a pause before recording begins, dependant on the size of the USB device as video partitions are built.*

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Main Menu

The main menu allows access to the Configuration menus, the Viewer menus and also several Download options.

Note: *The Download options will only be available if viewing remotely via a network connection.*

Select the Configuration menu tab to access the unit's Configuration menus, *refer to 'Navigating the Configuration Menus' for further guidance*.

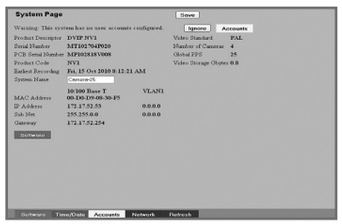
Select the Viewer menu tab to access the unit's Viewer function, *refer to 'Operating The Viewer' for further guidance*.

Select the Download menu tab to access the various Download options.

Note: *The 'Viewer' option will only be displayed when Operational Mode is set to 'Console' or 'DVR' in the Features->System menu (System Settings->Features->System)*

Navigating The Configuration Menus

The Configuration pages are navigated using the menu tree (displayed on the left of each page). Selecting one of the menu options will display the relevant page. Associated menus will then be available



Relevant menus can be accessed directly via the coloured softkey options shown at the base of each menu. The options available will depend on the menu being viewed.

Note: *Any changes are automatically saved when the page is closed. To 'manually' save changes, select the Save option.*

Operating The Viewer

Select the 'Viewer' option from the Opening Menu to access the Viewer menus.

Navigation is via a colour coded softkey system. The colour bar provides an intuitive approach for operator and installer alike.

The function of the buttons will change according to whether the unit is in Live or Playback mode.

Viewing The Menu Pages Remotely

Navigate the menus by clicking the tabs displayed on the left of the menu headings (the menu tree). The first option is highlighted with a red tab. Select a main menu heading to open a drop down list of further sub-options.

Highlight an editable field by clicking on it directly.

If viewing pages locally, enter alpha numeric data via the Arrow Key Editor (see below). If viewing remotely, enter via the PC keyboard. If available, click on the drop down menus to select settings.

Note: *A selected item in the drop down list will appear highlighted.*

Navigating away from a page (clicking on a different option on the menu tree) will automatically save any changed settings. To undo changes made to any menu, select the Refresh (Purple) option.

Entering Alpha-Numeric Data via a Local Monitor

Numeric or text data is entered locally using the on-screen Virtual Keyboard (Arrow Key Editor).

To display the Virtual Keyboard, navigate to the relevant text input box and double click the left USB mouse button. Move the cursor to navigate between characters, and click to select a character. Select 'Submit' to enter details; select 'Cancel' to exit without entering any text.

Alpha-numeric data can also be entered in either upper or lower case format by 'multi-tapping' a relevant button. For example, with the cursor located in the text entry window of the Virtual Keyboard, repeatedly tap button '2' to cycle through the following characters: 2,A,a,B,b,C,c,2 etc.

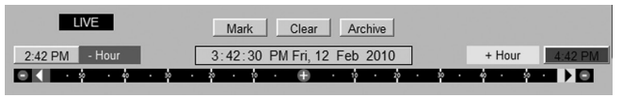
To select one of these characters, stop tapping the button when the chosen character is displayed. The cursor will progress, ready for the next character entry.

Note: *A USB Keyboard (not supplied) can be connected via a USB port on the unit. The USB Keyboard can then be used to enter alpha-numeric data via the local menus.*

Video Timeline (DVR Mode only)

The Timeline Navigation page and the accompanying Video Timeline feature allows quick and easy investigation of recorded video data. Selecting the Goto option from Viewer menus will display the Video Timeline.

To aid navigation, the time line can be set to display periods ranging from 15 seconds to four weeks. The time line can be clicked anywhere in the scale to instantly play recorded images from that point.



The Date/Time Display (Grey) shows the currently selected date/time.

Note: *The Date/Time Display shows the last time selected via the time line. During playback, the Date/Time Display remains static while the 'running' time is shown in the bottom left corner of the playback image.*

The time line allows navigation from the time and date currently shown in the Date/Time Display window. The scale changes to correspond to the time period chosen for investigation i.e. if a scale of one hour is selected it will be possible to move up to one hour prior, or one hour in advance of the displayed time (unless that selected time has not been recorded yet). For example, with a scale of one hour, click '10' on the left side of the time line to play video from 10 minutes prior to the Date/Time Display. To advance in time, click on the right side of the time line.

Archive Selection (DVR mode only)

Images and events can be marked and added to the Copy menu. Archive selection can be undertaken either from a local monitor or remotely via the webpages.

For ease of use, video can be marked for archive in a number of ways. The simplest method is via the Video Timeline:

Selecting Video for Archiving Via The Video Timeline

- Access the Video Timeline menu via the 'GoTo' option.
- Using the Timeline, navigate to the required start point of the footage to be archived.
- Select the 'Mark' option.
- When the footage reaches the archive end point, select the 'Mark' option again.

This marked footage will now be added to the Copy menu for download purposes.

The Copy menu can be accessed directly via the 'Archive' option.

Any marked start point can be deleted via the 'Clear' option.

Note: *For detailed guidance on additional advanced methods for searching and marking images and events for archiving, refer to the HD NetVu Console Installation & Operation Guide.*

Copy Menu

Images and events can be copied to a connected USB Media device for remote reviewing i.e. for evidential or monitoring purposes.

To access the Copy menu, select the Archive (Yellow) option from the Viewer menus.

The Copy menu will display all video images marked for archiving. The Start and Finish date/times will be shown along with the estimated size of the download plus the period the images are protected for and the camera channels to be included in the download.

To Edit an archive within the Copy menu, click on it directly.

The textboxes within the 'Start', 'Finish', 'Protect (Days)' and 'Cameras' fields can be edited as required.

Selecting a blank Archive line will allow direct entry of data i.e. start/end time and date plus protection period and the camera channels to be included in the Archive.

To Transfer Events/Images From the Copy Menu to a USB Device

- Insert a USB Device into the USB port on the the unit.
- Select USB from the Archive Media checkbox.
- Select the Copy option (Red) to start archive.
- Selected items are then saved to the USB device.
- The USB export progress is displayed as a %. On completion the status will read 'Archive Complete'.

Note: *It is recommended that the 'Include viewer application' checkbox be selected when downloading events to USB device.*