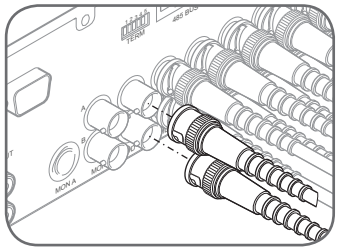
Quick Start Guide

The following will guide you through the installation, confguration and operation of the DV-IP Server.

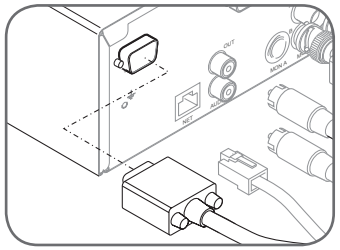
Use this document in conjunction with the DV-IP Server Simple Setup Guide, Advanced Setup Guide and the appropriate User Guide. All these manuals can be located on the Product CD supplied with the unit.



Connect cameras to the video inputs marked VID* (where * = camera number) at the back of the unit, starting from input 1.

TIP: The video inputs support loop through, use the bottom row of connectors for connecting to other equipment.

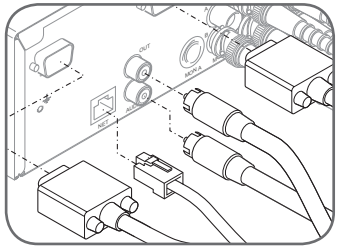
Note: When connecting telemetry cameras refer to the Setup Guide for connection and configuration details.



Initial configuration of the unit can be achieved via the serial port, or over the network (if available).

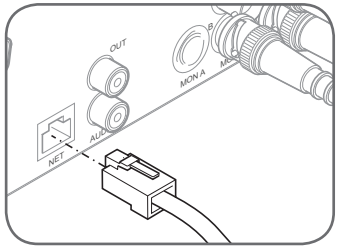
For serial configuration, refer to *Connecting via PC terminal*.

For network configuration, refer to *Remote connection*.



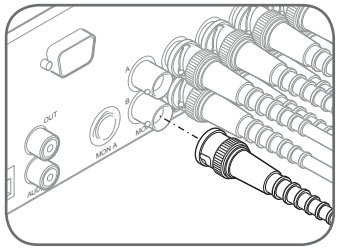
If any other external devices are required (e.g. storage, telemetry) refer to the Advanced Setup Guide for full details, before proceeding to the next step.

Note: *The configuration may differ depending on the unit model.*



The DV-IP Server is a network product and supports a 10/100BaseT auto-detecting network port for connecting to an Ethernet network.

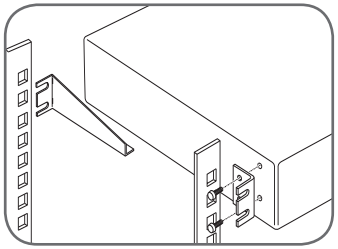
Using a straight-through network cable connect the DV-IP Server to the network.



The DV-IP Server supports a Spot monitor (Mon B) to allow full screen images from a single or sequence of cameras to be displayed locally.

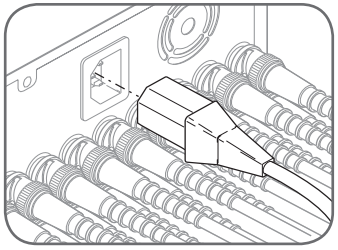
The monitor output is a 75 Ohm BNC connector and can be connected to a traditional CCTV monitor.

If cameras are connected, the unit IP address will be displayed briefly on the spot monitor after boot up.



The DV-IP Server is desk or rack mounted, when rack mounting ensure the correct procedure is followed.

Refer to the *Advanced Setup Guide*.



Note: *The DV-IP Server by default is enabled for DHCP. If the unit is to be allocated a static IP address refer to the Connecting via a PC Terminal section before powering the unit.*

Once the unit is in its final position and all external devices have been fitted and powered, connect power to the rear of the unit.

The power-up procedure may take a few minutes before the unit is ready for configuration and operation.

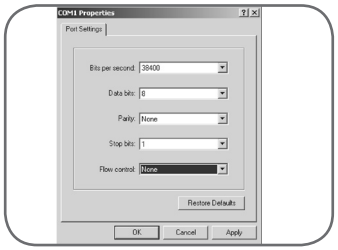
Connecting via a PC Terminal (Hyper Terminal)

For systems using static IP addresses, the DV-IP Server will need to be allocated an IP address, subnet mask and default gateway (where data is passed via a router).

The unit is enabled for obtaining a dynamic IP address from a DHCP Server by default. This details how to allocate a static IP address using a PC terminal application. The allocated IP address will be displayed on the Spot monitor after the boot sequence. It can also be obtained using the following procedure.

Note: *A DHCP address can change if the DV-IP Server is reset. Dedicated Micros recommend a static IP address be allocated for a secure system.*

Connect the RS232 cable (supplied) between the DV-IP Server Serial 1 and a PC running a terminal emulator (HyperTerminal).



Set the connection parameters to:

Bits per second:	38400
Data bits:	8
Parity:	None
Stop bits:	1
Flow control:	None

When Debug has finished type:

+++ <Enter>

This will take you to the DS> prompt.

Allocating a Fixed IP Address

Enter the following commands to allocate a fixed IP address, sub net mask and default gateway (if applicable).

<Esc>m\ether_ip\aaa.bbb.ccc.ddd
<Esc>m\subnet\aaa.bbb.ccc.ddd
<Esc>m\gateway\aaa.bbb.ccc.ddd
<Esc>m\save

reset (to restart the unit)

Locating a DHCP allocated IP Address

It is also possible to find the IP address of a unit that has been allocated an IP address via DHCP from the command prompt. If cameras are connected, the IP address will also be displayed on the Spot monitor during the boot sequence.

From the prompt enter:

ipcfg<Enter>

This will display the DHCP information, make a note of this for connecting to the unit across the network.

Remote connection

The DV-IP Server supports on-board web pages, these provide access to system configuration and remote viewing and control of the unit.

Launch the web browser and enter the IP address of the unit in the web address bar, e.g. http//172.254.123.1.

***Note:** The IP address will be displayed on the Spot monitor during the boot sequence.*

You will be presented with the initial web page which provides access to live viewing, configuration, software downloads and demo pages.

Configuring via the Web

Select the Configuration Options, you will be prompted for a username and password to gain access to the configuration pages. The default settings are **dm** and **web** respectively.

TIP: *It is recommended that the default username and password be changed to ensure only authorised users have access to the system configuration. Ensure the new username and password are kept in a safe place, if these are mislaid this may result in the unit being returned to Dedicated Micros.*

There are two initial parameters to be configured; Camera Inputs and Standard Recording.

Check Camera Inputs

The DV-IP Server will automatically detect a camera signal on power up and will enable the corresponding camera input.

To check or change the enabled inputs select the Camera Set-up page within the Cameras section. Enable / Disable the camera by selecting the 'Connected' box next to the camera input.

Standard Record Settings

By default all connected cameras are selected for recording, it is recommended that the default settings be checked to make sure these fit the system requirements.

The standard recording parameters can be configured in the Camera Set-up page with the Camera section.

Check the live/recorded resolution for the system, the image size for the High (unit uses the High settings for recording) setting, standard and alarm record rate for each operating mode (Day, Night and Weekend), the record duration and the alarm record mode.

Installing Viewing Application (NetVu ObserVer)

The DV-IP Server can be remotely monitored via a web interface or via a dedicated viewing application.

The NetVu ObserVer software takes advantage of the advanced features supported on the DV-IP Server and provides an interface for the Operator to access these features.

Dedicated Micros NetVu ObserVer video management software, allows users to seamlessly view distributed images from any NetVu Connected product from any moment in time, anywhere in the world.

Built-in MPEG-4 support provides simultaneous viewing of both JPEG and MPEG-4 video streams, allowing the user to optimise bandwidth usage on constrained networks. A straight forward drag and drop GUI, together with saved screen views provide the user with an easy to use viewing solution, offering a seamless single user interface to all NetVu Connected products.

In addition, NetVu ObserVers can be switched into a mode to playback archived data from a hard drive, server or DVD / CD.

Features include:

Single site and Multi-site mode
Map Support
Alarm Receiving capabilities
Site Tree
Video Download
Audio Transmission
Multilingual Support
Event Preview Window
Text Search
Smart Search
Save and Recall Reference Images
Save and Recall Site Presets
Save & Print
Local Recording
Electronic Zoom

To download this viewing application select the Home page within the Home option on the web pages.

Access the executable for the NetVu ObserVer software from *Downloads->Viewer Software->NetVuObserVer (windows)*.

Follow the on-screen prompts to install the software on the PC that will be used to as the remote monitoring station.

TIP: *The NetVu ObserVer software can also be accessed from the Product CD provided with the unit and the Dedicated Micros website (www.dedicatedmicros.com) it is recommended that you look at the DM website for the latest release of software, for further assistance contact Technical Support.*

Refer to the NetVu ObserVer User Guide for full details on product configuration and functionality.

Web Viewing

It is possible to use the web interface to view live and recorded images. Once the unit has been configured for operation across the network open the web browser application and enter the IP address of the unit.

Select the Live option from the main menu.

Camera Viewing

Press the corresponding camera key to display the images.

Viewing multiple cameras

Quad

Press the QUAD button to switch to quad display.

Multi-screen

Press the 9-way or 16-way button to display the corresponding multiscreen format.

Selecting Image Resolution

Select the resolution at which the image will be displayed, High, Medium or Low.

Telemetry Control

Use the telemetry keys to:

Pan and tilt the camera to the required position

Zoom in or out on an area of the image

Focus near or far on an object

Open or close the iris to adjust the light level of this image

Initiate Autopan on a camera

Initiate a preprogrammed patrol

Send a camera to a preset position

Operate the auxiliaries (Wash, Wipe, Lamps)

Event Selection

The DV-IP Server supports an event database which can be accessed and reviewed from the Live page. Select the Refresh Events to display stored entries.

Event Filter

The event filter option will allow the event database to be searched for specific events, these are; VMD, Contact Alarms and Power Up.

Text Search

The DV-IP Server supports the feature to record text alongside the video images. To search the video by using a text entry select the Text Search option and enter the time, date, number of events and the text string.

Playing back images from the disk

To playback images tap ◀◀ to rewind to the desired location and then press ▶.

Tap ll to pause the current image. Tapping **frame advanced** or **frame rewind** whilst paused will move through the video one frame at a time.

Press ▶ to return to play mode.

The ◀◀ and ▶▶ will move quickly through the playback video. It is possible to increase the playback speed from normal to x1000.

The Record button provides the option to record the video being displayed locally to the PC being used for control.

Pressing the record button will display an image format menu, images can be recorded in an MJPEG, AVI or Raw AVI format.

Goto time

Enter the time and date information and press the GOTO button to play back from a specific recording.