

# V-VAMP Corp.

## *DigiClam*

Operating Manual





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# DigiClam Operating Manual

## QUICK START GUIDE

1. Power on Unit at back and turn on display.
2. Connect Source via BNC cable to "Video In" at units back and connect monitors to 1 of the 3 "video outs".
3. Using keypad press "menu" and scroll to " Job Setup" with the up and down arrows and press "enter" and choose "Create Job" and follow the setup.  
Use the keypad to find the desired letter and move to the next by pressing the up arrow. Press "enter" when finished.
4. You are now in "Live" mode and ready to record.
5. Simply press "Record" to commence and stop to finish. Takes will number themselves chronologically from T1 upwards.
6. Stop Record
7. To Play: press Play to playback the last take or scroll through takes using the arrow keys.
8. To delete a take, select it with arrow keys, press "REW". You will be prompted with DELETE? Confirm by pressing enter.

### KEYPAD

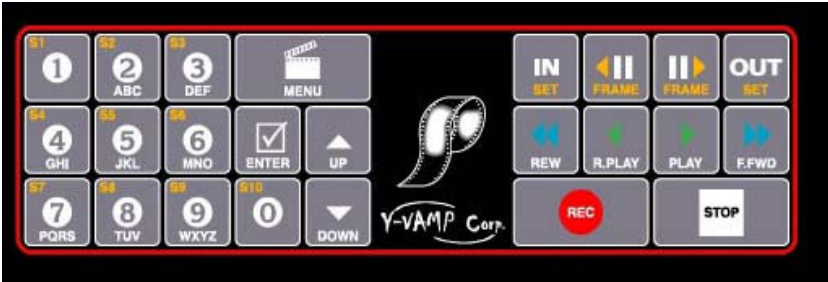


FIG. 1

### BACK PANEL

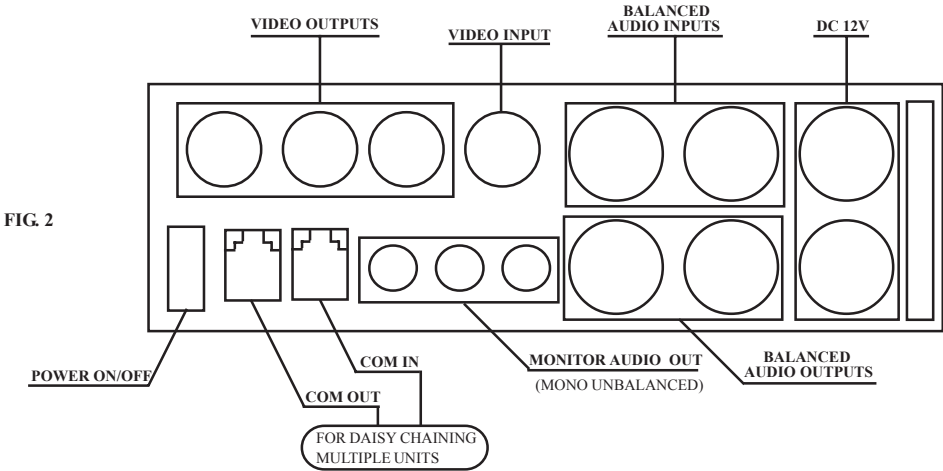


FIG. 2



## ***DigiClam* Modes**

Depending on the which mode the unit is currently in you will have differenet options and commands available.

### **Live Mode**

**Select Take** Use the arrow keys to scroll through the available takes within a scene. **These must be assigned in the Utility menu**

**IN and OUT points** To alter the "IN" or "OUT" points after beeng set select the take press "Shift" / 0 / button then "IN" or "OUT" button. You can then assign new in and out points by playing back the take and using the "IN" and "OUT" buttons .

**Delete Take** Use the arrow keys to scroll through the available takes within a scene until positioned to the one you need to delete. Press "REW" button, you will be prompted with the confirmation message. To confirm press "ENTER". To cancel press "MENU" . If the take was the last recorded one take # is decremented by one, i.e. the Take # just before the last record. The HDD is free from the last record. If the take wasn't the last recorded one, take # will stay but the data will be erased.

**LOOP** Press " Shift" / 0 / button then "PLAY".

### **HOT KEYS in LIVE mode:**

"0"(shift button) + PAUSE mark/unmark star take

"0"(shift button) + REW DELETE take! Press ENTER to confirm. If the take is the last in scene it will be removed from scene othererwise it will stay in scene and marked with "D"

"0"(shift button) + UP/DOWN alternatively change arrows volume/take

"0"(shift button) + PLAY LOOP -play the take in a loop

"0"(shift button) + 7("R") changes from takes to rehearsal mode in current scene

"0"(shift button) + 8("T") change form rehearsal to take mode in current scene

"0"(shift button) + 1/ 2 loads temporary scene for playback. To return back to your current scene " Shift" / 0 / button then 2 or press " REC" which will initiate recording in your current scene. (same as MAIN MENU 1. Load Temp Playback Scene)

"IN" puts the current take in Playlist

### **Play Mode**

**Playback** To commence playback press the "PLAY" button. This allows you to view the recorded take from the beginning of the recording to the end of it ,or from the " IN " point to the "OUT",if one,You can also use the speed buttons to play at desiered speed. Pressing "PLAY" during playback will repeat the action.

**In and Out points** You can define the "IN" and "OUT" points of a take "on the fly" by using the "IN" and "OUT" buttons at desired point. .

**F.FWD and REW** Pressing F.FWD during playback will fast forward through the take at a speed of X 2, by pressing F.FWD a second time and so on the speed can increase to X6. This is the same for rewind, Press Play at any time to resume playback.

**Frame Buttons** Pressing either of the frame buttons causes playback to pause. Once

paused you can use these buttons to advance or rewind frame by frame.

### Loop Function

Pressing the loop button during playback causes the take to loop continually between the in and out points until you disable loop by pressing stop.

### Speed Buttons

You can activate multi speed playback by pressing any of the pre-assigned number buttons. To learn how to customize the speed buttons please refer to page 8.

### HOT KEYS in PLAY mode:

**"0"(shift button) + IN** set the in point at the beginning of take

**"0"(shift button) + OUT** set the out point at the end of take

### Shortcuts in RECORD mode:

**"0"(shift button) + REW** -Abort take! Press ENTER to confirm

### Record Mode

**Record** To commence Record press the play button. The Take # is incremented by one.

**Future Upgrade:** If "REC" button is pressed during the recording the take will register a series of subtakes, i.e. Take 1/1, Take 1/2.....Take 1/n.

### In and Out Points

You can define the "IN" and "OUT" points of a take "on the fly" by using the "IN" and "OUT" buttons at desired point.

**Important:** After setting "OUT" point keep recording for good 3 seconds of before stop recording.

### Abort Record

To abort a recording press the REW button, you will be prompted with the Abort REC message. To confirm press enter. The Take # is decremented by one, i.e. the Take # just before the last record. The HDD is free from the last record. Press menu to cancel the Abort Recording function and continue the current recording the Take is not interrupted.

### Playback

To commence playback while the unit continues to record, press the play button. This allows you to view the recorded take from the beginning of the recording or the "IN" point, if one, while the take continues to record. You can also use the speed buttons while in this mode but only for normal or slow motion speeds.

### HOT KEYS in REC mode:

**"0"(shift button) + REW** Abort take! Press ENTER to confirm

### MENU MODE

To enter MENU MODE press MENU.

To navigate in MENU MODE scroll and press "ENTER" or simply press a number on the keypad that corresponds to the submenu you need to enter in to.

## MAIN MENU

- ▶0. Back
- 1. Load Temp Playback Scene
- 2. Scene Setup
- 3. Job Setup
- 4. Audio Setup
- 5. Utilities
- 6. System Setup
- 7. Play List

**BACK**

Use “0” in “Menu” or in any of the submenus to return to the previous one.

**1. Load Temporary Playback Scene**

Press 1 or ▼ ▲ to move the cursor to **Load Temporary Playback Scene** and press ☒. Choose the Scene and press “Enter”. To return back to your current scene “Shift” / 0 / button then 2 or press “REC” which will initiate recording in the current scene.

**2. SCENE.**

Enter Scene Name:ABC101BCH

## SCENE SETUP

- ▶0. Back
- 1. Create New Scene
- 2. Load Scene

**2.1. CREATE NEW SCENE**

Press 1 or ▼ ▲ to move the cursor to Create New Scene and press ☒.

Use the Alpha Numeric keys to enter letters and digits. Pressing a single key changes the letter/digit sequentially. Use ▲ or ▼ to move left and right through the letters. Press ☒ to confirm the job name and move to the next screen.

Enter Scene Name:0  
Enter Camera Speed : 030  
Enter Transfer Speed: 030



You will be prompted to enter a Camera speed: Entering a speed of the camera that this scene will be shot at will give you the desired speed Playback every time you press "PLAY" or play the take in the playlist.

Press ☒ to confirm the job name and move to the next screen.

You will be prompted to enter Transfer Speed : Entering a Transfer speed is essential for proper calculation of off-speed playback. Your choices will be :

**NTSC-030**

**PAL -025**

**FILM -024**

**NOTE:** *In playback mode you can override the Camera speed with presetup speed buttons. Leaving the camera speed equal to the Transfer speed will give you a normal realtime playback. For off-speed playback use speed buttons.*

## 2.2. Load Scene

Press 2 or   to move the cursor to Load Scene and press ☒.

Use the Alpha Numeric keys to enter letters and digits. Pressing a single key changes the letter/digit sequentially. Use  or  to move left and right through the letters. Press ☒ to confirm the job name and move to the next screen.

Type your choice and ☒ to confirm.

## 2.3. Move Takes

Press 3 or   to move the cursor to Move Takes and press ☒.

Use the Alpha Numeric keys to enter letters and digits. Pressing a single key changes the letter/digit sequentially. Use  or  to move left and right through the letters. Press ☒ to confirm the job name and move to the next screen.

Enter Scene you want the takes to be moved from. Press ☒ to confirm.

Press "7" to move takes from "Rehearsals"

Press "8" to move takes from "Takes"

Enter Scene you want the takes to be moved to. Press ☒ to confirm.

Press "7" to move takes to "Rehearsals"

Press "8" to move takes to "Takes"

Enter number that all takes from that number will be moved to the destination scene.

## 3. JOB SETUP.

Press 3 or   to move the cursor to JOB SETUP and press ☒.

### MAIN MENU

- 0. Back
- 1. Load Temp Playback Scene
- 2. Scene Setup
- ▶ 3. Job Setup
- 4. Audio Setup
- 5. Utilities
- 6. System Setup
- 7. Play List

4 AUDIO UTILITY.

Press 4 or ▲ or ▼ and ☒ to select Audio Utility and control the Audio features.

AUDIO SETUP

0. Back

1. Input Setup

2. Monitor Out Setup

3. Monitor Outputs MUTE

▶4. Local Speaker UNMUTE

5. Keypad Sound UNMUTE

4.1. INPUT Setup

Press 4 or ▲ or ▼ and ☒ to select Audio Input. (Only applies to DigiClams with serial numbers above DC2140).

INPUT SETUP

▶0. Back

0dB -

Left 24

Right 24

L

R

This will bring you to a Menu that will allow you to adjust the Audio Input levels (1-32). Use the Up and Down arrows to adjust and press Enter to return to Live Mode.

**Note:** The Audio input control can only be accessed with the remote control for DigiCLams with SN# up to DC2140 At that menu item the Unit's keypad is inactive

*\*Only feed the digiclam a 4db balanced signal. The input levels should be set between 15 (newer units) and 20 ( older) to show 0db. If this is not the case check the input signal.  
If the input sygnal is low and your input levels are within the sugested range check the level of the input sygnal.*

4.2. AUDIO OUTPUT:

Press 4 or ▲ or ▼ and ☒ to select Audio Output.

MONITOR OUTPUT SETUP

▶0. Back

Left 16

Right 16

■■■■■■■■

■■■■■■■■

This will bring you to a Menu that will allow you to adjust the Audio Output level (1-32). Use the Up and Down arrows to adjust the level and press Enter to return to Audio Utility Menu.

**Note:** *Moni Mute must be set to OFF to have the signal on the outputs.*

#### 4.3 MONITOR MUTE:

Press 3 to toggle **MONITOR MUTE** between "MUTE" and "UNMUTE"  
This toggles audio being delivered through the Audio D.A. "ON" and "OFF" (does not affect DigiClam balanced audio outputs).

#### 4.4 LOCAL SPEAKER

Press 4 to toggle **LOCAL SPEAKER** between "MUTE" and "UNMUTE"  
This allows you to mute the audio on the DigiClam's speaker only. Audio fed to the monitors through the Audio D.A. remains on.

#### 4.5 KEYPAD SOUND

Press 4 to toggle **KEYPAD SOUND** between "MUTE" and "UNMUTE"  
This allows you to turn on and off all "Beep" sound when you pressing buttons on the keypad.

#### 5. UTILITIES

UTILITIES	
0. Back	
1. Video Standard	AUTO
2. Force Video to	INPUT
3. Aspect Ratio	4:3
4. Speed Buttons	
5. Set Unit as	SLAVE
6. Color Bars	OFF
7. Battery Status	12.3V

##### 5.1 Video Standard

Press 1 ▲ or ▼ and ☒ to toggle **Video Standard** between "NTSC" and "PAL" "AUTO"

##### 5.2 Force Video to:

Press 2 to toggle **Force Video** between "OUTPUT" and "INPUT"

**Note:** *If forced to "OUTPUT" a delay close to 1sec will be noticed..*

##### 5.3 Aspect Ratio:

Press 3 to toggle **Aspect Ratio** between "4:3" "16:9" and "2.4:1"  
To activate Aspect ratio in all modes DigiClam must be forced to "OUTPUT". Please see **5.2 Force Video to:**

**Note:** **Aspect Ratio** is a paid option please make sure you have order it.

**TIP:** *If recording sound with an anamorphic video signal, ensure that the audio feed to the monitors is also provided by the digiclam. This ensures that the audio and video remain in sync.*

##### 5.4. Speed buttons.

SPEED BUTTONS								
►0. Back								
1	004	4	036	7	072			
2	006	5	048	8	096			
3	012	6	060	9	120			

This option is for assigning different camera speeds to the Quick Speed buttons from 1 to 9 on the keypad , to be used in playback mode.

Press 4 or ▲ or ▼ and ☒ to access the speed Buttons screen. The current values for the individual speed buttons will be displayed. Select the button to change by pressing the corresponding number (1-9). The selected button will display with camera speed blinking beneath it. Simply enter the new speed using the numeric keypad and press ☒ to confirm. Press Menu return to Live mode.

In order to playback at variable speeds, you must hit play and then press the selected speed button. The current speed, in Frames per second, will be displayed in the top right corner during playback.

5.5. Set Unit as

Press 5 to toggle **Set Unit as** between “ MASTER ” and “SLAVE”  
**This option will help you to Daisy Chain Multiple units**

You can “daisy chain” together as many DigiClams as needed for multiple camera shoots. Assign one DigiClam as “Master” and the rest of the units as “Slave” .

Connect the units together coming **out** of the master units “Com out” port and **in** to the slave units “Com In” port. This can be repeated for as many units as needed from the next to the other. All Slave units are now controlled by the Master’s tranport controls .

**NOTE. All other menu items must be accessed through the individual units, for example you cannot change the video resolution on a slave unit from the master. Only REC , PLAY and STOP are active from the MASTER unit.**

5.6. Color Bars



Press 6 to toggle **Color Bars** between “ON” and “OFF”

Once activated, the pattern generator will remain active until the DigiClam is powered-off or the function is deactivated through the menu control.

## 5.7. Battery Status

This option helps you to monitor the battery status all the time.

If battery voltage is below 11.2v a message will appear on the screen and will not disappear until a battery with a higher voltage is plugged in.

## 6. SYSTEM SETUP

### SYSTEM SETUP

- ▶ 0. Back
- 1. HDD
- 2. MPEG-2
- 3. Time and Date
- 4. Reset
- 5. Load Defaults
- 6. About

Press 6 or the ▲ or ▼ to move the cursor to System Setup and press enter.

### 6.1. HDD Setup

#### HDD SETUP

- 0. Back
- 1. Change HDD
- ▶ 2. Erase HDD
- 3. USB and 1394 Ports

ALL DATA WILL BE LOST.  
Press ENTER to confirm.

#### 6.1.1. Change HDD

Press 1 or ▲ or ▼ and ☒ to enter the **Change HDD** Menu. Press the number of the HDD that you would like to become current HDD and press Enter.

**Note:** Multiple hard disk drives are available if the unit is equipped with the optional MultiHDD board. One or two depending on the version of the DigiClam/ additional hard disk drives can be accessed without powering down the DigiClam. These two hard disk drives can be removed / exchanged ONLY when they are not in use ie. when the LED on the drive is not lit.

#### 6.1.2. Erase HDD

Press 2 or ▲ or ▼ and ☒ to enter the **Erase HDD** Menu. Confirm with Enter if you like to erase the HDD or press “0” Menu to escape.

**CAUTION !!! ALL DATA ON THE HARD DRIVE WILL BE DELETED (if confirmed).**

After Erase HDD has been executed a New Job prompt appears on the screen. **The default job name is NEW JOB.** Enter New Job name and press enter to confirm.

**Note:** 1. After Erase HDD, go through ALL the following screens in the order for the HDD to be properly initialized, otherwise you will not be able to access the files keeping the take's properties.

2. New purchased HDD must be erased before recording.

### 6.1.3. USB-2 IEEE 1394 link

Press 3 or ▲ or ▼ and ☒ to connect to the external computer.

**NOTE:** You need to make sure that cable is connected between PC and the DigiClam

## 6.2. MPEG-2 Properties

### MPEG-2 PROPERTIES

►0. Back

1. Video Bit Rate 5000Kb/s

2. Audio Bit Rate 384Kb/s

3. Video Resolution FULL

#### 6.2.1. Video bit rate.

Press 1 ▲ or ▼ and ☒ to select Video bit rate Menu. Use the Alpha Numeric keys to enter letters and digits. Enter bit rate between 100Kbps to 10Mbps. We suggest 5Mbps as normal for Viseo Assist.

**NOTE:** The lower the bit rates are the lower is the quality. Lower bit rates open more HDD storage space.

*Bit rates over 10Mbps will not be accepted.*

#### 6.2.2. Audio bit rate.

Press 2 ▲ or ▼ and ☒ to select Audio bit rate Menu. Use the Alpha Numeric keys to enter letters and digits. Enter bit rate between 64Kbps to 384Kbps. Default Value is 256 Kb/s.

**NOTE:** The lower the bit rates are the lower is the quality. Lower bit rates open more HDD storage space.

*Bit rates over 10Mbps will not be accepted.*

#### 6.2.3. Video Resolution.

Press 3 ▲ or ▼ and ☒ to toggle Video Resolution between "FULL" and "HALF".

**NOTE:** The compression settings can be changed at any time, even from one take to the next. The digiclam recognizes the compression settings and playback accordingly.



### 6.3 Time/Date.

#### TIME AND DATE SETUP

- 0. Back
- 1. Time Display ON
- 2. Time 18:39
- 3. Date MAR 03 2003

#### 6.3.1 Time Display

In this mode '1' toggles time display between on and off. If Time display is not desired to be displayed turned it off.

#### 6.3.2 Time

Press ▲ or ▼ to move the cursor UP/DOWN and select active row, then use digits from 0-9 on keypad to enter:

Time - enter 4 digits for HH:MM eg. 12:34  
(seconds are not monitored)

#### 6.3.3 Date

Date - enter 6 digits for DD/MM/YY eg. 22:11:02

If a mistake appears, use ▲ or ▼ to go to another line and then return to the desired line.

Press Menu to return to Live Mode.

### 6.4 Reset

**Reset** is suggested if :

1. Unit does not corresponds properly to commands.
2. After change HDD the hard drive is not recognised
3. After startup the hard drive is not recognised

### 6.5 Load Defaults

It will load default settings.

**Load Defaults** is suggested if the operator is not sure of the system settings.

### 6.6 About

ABOUT

►0. Back

Digi Clam  
Software Rev 4.0  
Hardware Rev 4.1  
Y-VAMP Corp.  
Canada: 416 255 5558  
KF131072 AP3. 72. 88 B2. 20

Company and DigiClam version information

7. PLAY LIST

SELECT PLAY LIST

- PLAY LIST0
- PLAY LIST1
- PLAY LIST2
- PLAY LIST3
- PLAY LIST4
- PLAY LIST5
- PLAY LIST6
- PLAY LIST7
- PLAY LIST8
- PLAY LIST9

Press 7 ▲ or ▼ and ☒ to select **PLAY LIST** Menu.

Scroll ▲ or ▼ and ☒ to select desired Play list then from "LIVE" mode input the takes you would like to be in it. Select a take by scrolling to it using the arrow keys and commit it to the playlist by pressing "IN" on the keypad .  
Use same metod to enter in the play listt.

**To input a take to a playlist, it SHOULD** have "IN" and "OUT" points assigned. "IN" and "OUT" points can be assigned during recording or playback (see "IN" and "OUT" points on the DigiClam MODES for more details)

PLAY LIST0  
► 1 Sc202 T004 00m03s  
2 Sc202 T003 00m03s  
3 Sc202 T002 00m07s  
4 Sc202 T001 00m17s

PLAY LIST0  
1 Sc202 T004 00m03s  
2 Sc202 T003 00m03s  
►\* 3 Sc202 T002 00m07s  
\* 4 Sc202 T001 00m17s

**To view the playlist** follow the procedure described up above . You will now see all of your takes currently in the playlist.

**To sort the takes**, simply select it by scrolling up and down with the cursor keys, and press enter. When you press “enter” beside the cursor of the selected take an asterix will be displayed . Next by scrolling up and down select where you want to insert the take. NOTE. the take will be placed above the insert point. Press **Enter** to move the take.

**To Reedit the takes**, simply select it by scrolling up and down with the cursor keys, and press “PLAY” input the “IN” and “OUT” points.

**To Delete a takes**, simply select it by scrolling up and down with the cursor keys, and press “REW” button. Confirm it with “REW”.