



# User Manual / Warranty Certificate

Thank you for purchasing the product. This document includes the important information to ensure safe usage of the product. Before using the product, please read through this instruction manual and safety information carefully.

The warranty is only applicable when the unit fails to operate with the normal use in accordance to the user guide.

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# Introduction

## 1. Purpose of Use

The purpose of VJ is to observe and inspect industrial objects such as machineries, facilities, pipes, buildings and so on. Do not use this for human and animal diagnostic and observation purpose.

## 2. Prior Inspection

Please read "Prior Inspection" in the page 4 and inspect VJ prior to use.

## 3. Understanding of User Guide

Please read this document carefully and use all the functions correctly.

## 4. Safety Precaution / Attention for Use

Read "Safety Precaution" below and "Attention for Use" (page 14) and avoid an electric shock, fire and breakage. The insertion cable of VJ is exempt from the scope of product warranty. Read "Attention for Use" (page 14) carefully and use it correctly.

### 5. Other

Contact your supplier or the RF Technical Support Center if you have any inquiries about VJ.

# Safety Precaution

Please read this document carefully and use all the functions correctly. It is for both your safety and the people around you to prevent the loss of property. Please refer the following symbols and documentations.

🕂 Danger	This symbol indicates a high risk of death or serious injuries if the meaning of this symbol is ignored or the product is improperly used.		
🕂 Warning	This symbol indicates a risk of death or serious injuries if the meaning of this symbol is ignored or the product is improperly used.		
Attention	This symbol indicates a risk of injuries if the meaning of this symbol is ignored or the product is improperly used.		
Disassemble Prohibited	Do not disassemble, modify or customize the unit. It could cause injuries by an electric shock or failure of the unit.		
Direct Contact Prohibited	Do not touch any internal components exposed by the damage on the outer casing. It could cause injuries by an electric shock or its breakage.		
Water Contact Prohibited	Do not pour, splash or immerse the unit in water. Do not leave the unit out in the rain. It could cause a fire or electric shock.		

# Package Item



VJ-ADV (x1)

Part Names



Micro SD Card (x1)

DC Video Cable

(x1)



AA Battery

for Operation Test

(x4)

(x1)



AC Adaptor 6V / 0.85A (x1)



Driver CD-ROM (x1)



Stand (x1) Mounting Screw (x2) Stand Mounting Screw (x1) \*It is mounted prior to ship.

Protective Lens Cap (x1) \*It is worn prior to ship.

Hands-Free Microphone (x1)

Sun Visor (x1)

Articulation Head Main Unit I With Sun Visor 3.5 inch Color Digital TFT Monitor Operation Panel Joystick (4-Way Articulation Control) Insertion Tube REC / STOP Button (For Video) Still Trigger (Still Image Capture) BRIGHTNESS Button (Adjustment of LED Lights) Stand Battery Case Protective Cover Battery Cover

Stand Mounting Screw \*Remove the screw to detach the stand from the







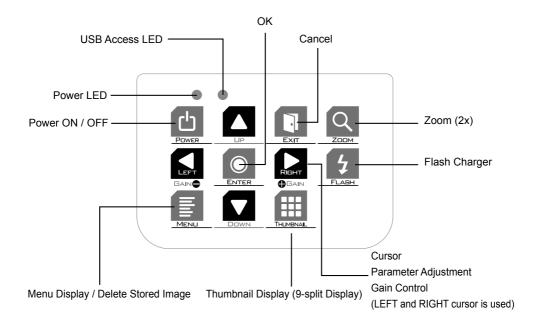


Audio Input Jack \*It is located under the cap.

DC/ Video Jack \*Micro SD card slot is located inside the battery cover. DC / Video jack and USB connector are located under the protective rubber cover.

main unit.

# **Operation Panel**



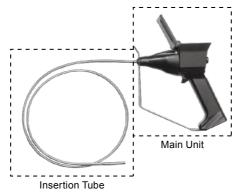
# Waterproof Property

Insertion tube of VJ is waterproofed.

However, under the heavily pressurized conditions, water may go into the insertion tube and the articulation head.

The main unit of VJ is not waterproofed or ingress protection rated.

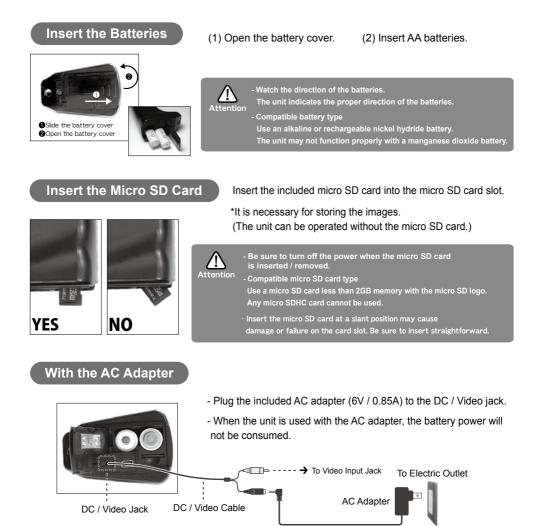
Contact of the VJ main unit with water or rain may cause damage to the VJ. Please take extra caution on the use of VJ where it may contact with water.



# Preparation

### **Prior Inspection**

- (1) Inspect Insertion Tube
  - Check that insertion tube does not have any change in shape or defect in appearance.
  - Check that glass of camera head has any dart or stain. Please wipe out with dry cloth if there is any.
- (2) Inspect Articulation Head
  - Check the articulating head moves smoothly.
  - Check the articulating head does not have any change in shape or defect in appearance.



# Turn ON / OFF the Power

Press and hold the power button for 1 second. The power LED lights up in green and the live image will be displayed on the monitor.

Press and hold the power button again for 1 second. The power of the unit and power LED will turn off.

# **Battery Run-time**

AA battery: Total run-time 1.5 hours (With rechargeable nickel hydride battery: 2.5 hours)

The Power LED flashes in red if the remaining battery power reaches less than 5%. In this case, all buttons operation become ineffective besides the Power ON / OFF button.

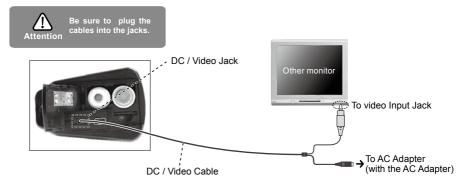
## Display the Image

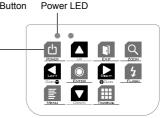
• With the 3.5" color digital TFT monitor:

The live image is displayed on the 3.5" color TFT monitor, when the power is turned on.

With other monitor:

Connect the included DC / Video power cable between the DC / Video jack on the unit and the video input jack on the monitor.





#### Power LED

∎ Green Power ON
The remaining battery power: 20 $\sim$ 100%
■ Orange ······· Power ON
The remaining battery power: 5 $\sim$ 20%
■ Red The remaining battery power: Less than 5%
■ OFF ······ Power OFF
Flashing Accessing the micro SD card
(Recording or playing video)

#### Power ON / OFF Button

# Save the Image

### Save the Still Image



JPG FILE SAVED Press the STILL trigger to capture the still image.
 \*The micro SD card must be inserted for this operation.

#### STILL Trigger

 When the still image is saved, the monitor shows the message, "JPG FILE SAVED".

## **Record the Video**



REC/STOP

- Press the REC / STOP button to start recording the video. To stop recording, press the REC / STOP button again or EIXT button.
  - \*The micro SD card must be inserted for this operation.
- \*The Power LED flashes while the video is recorded.
- \*The frame rate varies depending on the recording video, memory capacity of the micro SD card or data transfer speed.

#### When recording the video



 The screen shows the message, "BEGIN AVI RECORDING" when the recording starts. When saving the video



- The screen shows the message, "SAVING AVI FILE" when the recording stops.
- When the micro SD card is not inserted, the message,
   "NO SD CARD" is displayed, and the unit does not store any images.
- When the micro SD card is full, the message,
   "SD CARD FULL" is displayed, and the unit does not store any images.

# **Display the Stored Image**

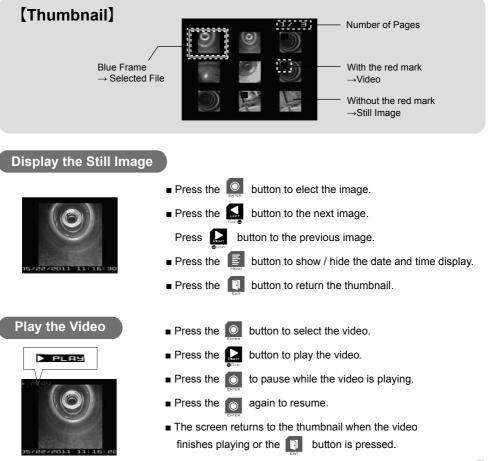


Press the button on the operation panel to display the stored images on the micro SD card.
 (If the micro SD card does not hold any images, the monitor

shows the message, "NO IMAGES".)

\*The power LED flashes when the still image or video is played.

- Press the Select.
- Press the button to return to the live image.



# Delete the Stored Image / Adjust the Image Quality

### **Delete the Stored Image**









- Press the button and display stored images.
   Press the button to select the image and press the button.
- The screen displays the message, "DELETE FILE?".

Select "YES" on the screen and press the O button.

- The screen displays the message, "FILE DELETED" when the selected file is deleted.
- Select "NO" on the screen and press the O button,

or press the 🚺 button to cancel and return to the thumbnail.

- Press the 
   button to display "SETUP MENU".
   Press the 
   button or the 
   button to return to the live image.
- Select [CLOCK] on [SETUP MENU] and press the button.
- Select the item by the select the item by the select the value by the select button.
   Press the button to save the change.

Press the button to return the "SETUP MENU".

# Adjust the Image Quality

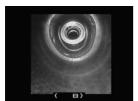




MONITOR

BRIGHTNESS CONTRAST COLOR, AUTO COLOR, GRO COLOR, GRO COLOR, BLUE SHARPNESS

AGC DEFAULT



■ Press the 📑 button to display "SETUP MENU".

Select the [MONITOR] and press the O button.

Press the 📑 button again or the 🚺 button to return to the live image.

Press the select the item and press the button to confirm the selection.

Name	Description
BRIGHTNESS	Adjust the brightness
CONTRAST	Adjust the difference
	between light and dark
COLOR AUTO	Adjust overall color automatically
COLOR RED	Adjust red color (Manual)
COLOR GREEN	Adjust green color (Manual)
COLOR BLUE	Adjust blue color (Manual)
SHARPNESS	Adjust the sharpness
AGC	Adjust the automatic gain control
DEFAULT	Default all settings

\*The default of COLOR AUTO is set at ON. Change it OFF in order to adjust color manually (COLOR RED/GREIN/BLUE cannot be used when the COLOR AUTO is ON). Select the COLOR AUTO in SETUP MENU > MONITOR and press the [ENTER] button to change ON/ OFF. Use [UP] / [DOWN] button at the above screen and press the [ENTER] button to change the

RUTO COLOR

AUTO: DO

setting.

to save the change.

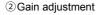
- Press the button to return to the "SETUP MENU".
- After changing the value and press the button or leave it for a few seconds to saved the change.

# Adjust the brightness of the image

#### ①LED output adjustment



BRIGHTNESS button





Power	Exit	
		5 FLASH
MENU	THUMBNAIL	-

POWE

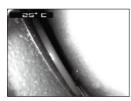
MAXIMUM

MINIMUM

- The LEDs on the tip section can be adjusted in 5 levels.
- The LED brightness level changes as the [BRIGHTNESS] button is pressed.
- Press the the button when live image is displayed.
- The image gets brighter as the Gain level goes up.
- \* The image may be slightly flutter when the Gain level is high.

# Features

#### **Temperature Observation**



### <Display Temperature on the Tip>

Press the O button when the live image is displayed to display the temperature on the left top corner.

(Press the [ENTER] button again to hide the display).

\*The temperature display is not aimed to measure accurate temperature.

### SETUP MENU MODITOR TIME LAPSE FEMP UNITS LACK LANGUAGE TEMP STILL TEMP UNITS COCCELSIUS F FAHRENHEIT

### <Select Celsius / Fahrenheit>

Press the button to display "SETUP MENU".

Select [TEMP UNIT] and press the O button.

Press the  $\bigtriangleup$  v button and press the  $\bigcirc$  to save the change.

Press the 🚺 button to return to the "SETUP MENU".

\*The default of temperature unit is set at [CELISIUS].



The temperature sensor is equipped in the tip of camera head to avoid breaking down the imaging sensor due to heat while the VJ is used under high temperature environment.

Warning icon appears depending on temperature level. Please take appropriate steps as warning description indicates.

an interval fro at least 10 minutes at normal temperature.

\*After appearing the warning icon, turn off the power of VJ and take



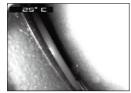
Yellow Warning Icon

Avoid more than 30 minutes continuous use\*.



Red Warning Icon

Stop using and take out the camera head immediately\*.



### <Save Temperature Display>

Press the solution to display "SETUP MENU".

Select [TEMP STILL] and press the O button.

Select [TEMP ON] and press the O button.

Temperature is saved on the still capture image / recorded movie.

#### **Time-Lapse Recording** Press the button to display "SETUP MENU". SETUP MERL Press the button to select the "TIME LAPSE" MONITOR TIME LAPSE USB FUNCTION SB LOCK ANGUAGE AUTION CONFIG AUTION CONFIG and press the O button. Press the button to select the "RATE" and press the O button to save the change. TIME LAPSE DE Display **Recording Time Guideline** OFF 1 hour continuous recording time 1/3 RATE 3 hour continuous recording time 1/6 RATE 6 hour continuous recording time 1/9 RATE 9 hour continuous recording time

\*Movie recording is consisted by saving a number of still images per second. The time-lapse makes possible to record a long time movie by reducing a number of saved images per second.

The time-lapse movie becomes frame-by-frame playback. The frame-by-frame playback becomes slower and slower as the rate goes down.

\*The audio recording is not available when 1/3, 1/6 and 1/9 rate time-lapse is used.

### Audio Recording / Playback



Audio Input Jack \*It is located under the cap.

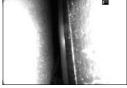


Audio recording is available by connecting the hands-free microphone on the main unit when record movie (incompatible with time-lapse recording). The hands-free microphone can also be used for audio playback.



# Flash Capturing (Still Image)





■ Press the 5 button on the operation panel at the live image.

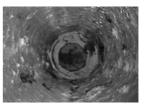
The screen shows the message "CHARGING FLASH" and "F" icon comes up at the right top corner of screen.

- \*Press the 5 button again to cancel the flash capturing after the "F" icon is shown on the screen.
- Press the STILL trigger to activate flash capturing.

\*Be sure micro SD card is in.

\*Flash capturing is only available at still image capturing.



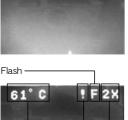


Without Flash

With Flash

# Zoom Display (Digital Zoom)



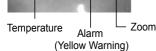


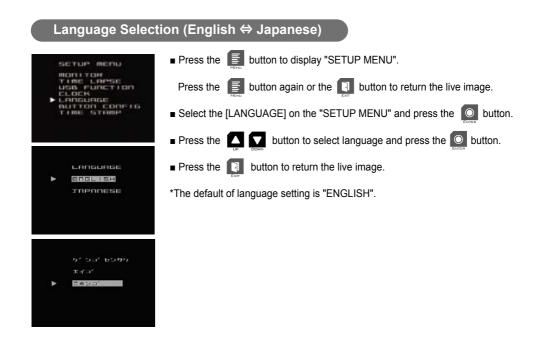
- Press the Q button at the live image.
- "2 x" icon is shown at the right top corner of screen when the zoom is activated. Press the Q button again to cancel the zoom.
- \*The zoom display is only available on the VJ-ADV 3.5" color digital monitor.

The zoom display cannot be used on the external monitor and computer.

\*The captured image in the micro SD card is saved in normal size.

\*The zoom display is automatically cancelled when the Temperature Alarm is activated





# Confirm Saved Images on the Micro SD Card (USB Mass-storage)

SETUP MERU MORITOR USB FUNCTION USB FUNCTION COPYEND SD CARD AND PE CARD AND

- Connect the VJ main unit and computer via included USB cable.
- Press the button to display "SETUP MENU". Press the



- button again or the 🛐 button to return the live image.
- Select the "USB FUNCTION" at the "SETUP MENU" screen and press the button.
- The screen shows message, "SD CARD AND PC CAN

COMMUNICATE". The "Removable Drive" icon is displayed under

"My Computer" on your computer and stored images in the micro SD

card can be confirmed.

\* Press the 📑 button or the 🚺 button to return the live image.

\* Disconnect and reconnect the USB cable when the computer does not recognize.

### Time Stamp



- "SETUP MENU" is displayed when pressing . When returning to the live image, press . or . button.
- Press "TIME STAMP" in the "SETUP MENU" and press
- Select the display mode of time stamp with the arrrows and select .
- Press I to return to "SETUP MENU".
- \*This will enable the time stamp display to be stored on the still image and movies.
- \*At default, time stamp display is off.

ММ	: Month
DD	: Date
ΥΥ / ΥΥΥΥ	: Year

# Attention for Use

## Articulation head and insertion tube

**1. Articulation head and insertion tube are not under warranty.** This applies to VJ even within a 1 year of purchase.

#### 2.Use insertion cable cautiously by following below guidance.

The minimum bending radius of insertion cable is 25mm for 3.9mm VJ. Do not bend insertion tube further. This may cause breakage of internal video cables.

#### 3. Use insertion tube as straight as possible

The articulation of VJ is controlled by the internal articulation wires with the movement of joystick. The internal wires are stretched with tension for the smooth operation of the articulation part. When articulation part is operated with the insertion tube coiled up, it decreases the articulation degrees.



#### 4.Do not force the articulation when there is a tension or felt something unusual.

The internal articulation wires are likely to snapped when more than 1.5 kg weight is placed. When operated with the insertion tube coiled, when there are many turning sections in the inspection pathways or when articulation is forced, the movement of joystick will not be smooth. Forcing the articulation further will likely to cause the snapping of the internal wires so please stop the use of VJ and pull out the insertion tube carefully.

5. Take extra measure not to pull, twist or the insertion tube caught in between when inserting and pulling the insertion tube.

Forced operation of the insertion tube will likely to cause the snapping of the internal video and electronic cables. When inserting and pulling out the insertion cable, please make sure to straighten the articulation part and insertion tube.

### 6. Do not make contact of the insertion tube with the sharp object and edges.

When the insertion tube is damaged or get flayed, it is likely to be affected by the humidity and water intrusion, and it may cause damage to the imaging sensor at the tip of articulation head or electric circuit.

### 7. Keep eye on the monitor while inserting the insertion tube and avoid forced operation.

Camera head has micro lens, imaging sensor, driver circuit inside and it is protected with the thin glass. Strong shock or pressure may damage the camera head. Please pay extra attention when inserting and pulling out the insertion tube not to throw it on the hard object and materials. When finding any defect on the exterior of articulation part, please contact your local supplier or RF Technical Support Center.

### 8. Articulation part or insertion tube is not dust proofed.

Use of VJ in a heavily dusted and dirt environment may affect the insertion tube and articulation in a way that articulation may fail to move as indicated in the manual. Please avoid using VJ from these conditions.

# 9. Do not keep the unit in the high temperature environment such as sun-heated cars (Operate the unit in the environment less than 40°C/ 104F).

- 10.Do not use VJ under a condition where there is a risk of fire or explosion without first consulting your Safety Department about the possibility of obtaining a hot pass or hot permit.
- 11.Use separate VJ units for the use of water supply and sewerage systems for sanitary reasons.

#### ■ VJ Main Unit

VJ is precision equipment. As the VJ is not IP rated, contact of VJ main unit with water and dust may cause damage. Please avoid using the VJ in following conditions.

Heavily dusted environment.

Environment where the main body may contact with water.

Environment where the temperature changes dramatically and humid area or high incidence of vapor condensation.

# Maintenance

### Cleaning

- · Be sure to clean and dry VJ after used.
- Do not use the autoclaving machine to clean.

#### Body

Wipe any dirt or stain with dry cloth. Use the mild detergent with soft cloth to clean off any grim. \*Do not immerse the body part into the water or any liquid.

\*Do not use a hard brush or any organic solvent such as benzene or thinner to clean.

#### **Cable Part**

Wipe any dirt or stain with dry cloth. Use the mild detergent with soft cloth to clean off any grim. (Sterilizing ethanol may be used to clean)

\*Do not immerse the body part into the water or any liquid.

\*Do not use a hard brush or any organic solvent such as benzene or thinner to clean.

#### Storage and Transportation

- Store VJ in its case while it is not in use and place the case in the environment where there is no contact with dirt, moisture or water.
- Use packaging materials (box, buffer) and pack VJ securely to transport. Avoid strong vibration, dirt, moisture or water contact while transport.
- Store or transport in the environment with 15 40°C / 59 104F temperature and 30 70% humidity (no condensation).

### Monthly Maintenance

Check following:

- · Operate of all features explained in this manual
- Any loose or missing screws
- · Any cracks or fracture on the unit

Question	Answer
• The unit does not show any image on the built-in or other monitor.	<ul> <li>Are the batteries inserted in correct direction? (Refer the page 4)</li> <li>Is there enough battery power? (Refer the page 5)</li> <li>If the power LED is on orange or red, replace the batteries.</li> <li>TV Monitor</li> <li>Is the video cable connected correctly?</li> <li>Is the TV monitor set at Video Input Channel?</li> <li>PC</li> <li>Is the driver correctly installed?</li> <li>Is the software correctly installed?</li> </ul>
<ul> <li>The image does not get stored.</li> <li>The unit does not display the stored image</li> </ul>	<ul> <li>Confirm the micro SD card is inserted securely.</li> <li>Is there enough free memory space left on the micro SD card? If not, delete unnecessary images to free up the space.</li> <li>Is the micro SD card less than 2 GB memory used? Any micro SD card with SDHC standard cannot be used.</li> <li>Format the micro SD card. When formatting the micro SD card, use "FAT" or "FAT32". Do not use "NTFS" to format the card, or the card would become un-readable.</li> </ul>
The unit operates slow or does not operate as normal.	<ul> <li>As the stored images in the micro SD card increases, the speed of the unit may drastically decrease, or the unit may freeze (stops working). Use the micro SD card as the temporary storage space and store the files in the computer.</li> <li>After the long video was recorded, the unit may stop with the message, "SAVING AVI FILE". The unit is storing the video. If the unit does not return to the normal screen after a while, contact the technical support center.</li> </ul>
<ul> <li>Odd color or distorted image is displayed when open the saved image or while capturing image.</li> </ul>	<ul> <li>Confirm the enclosed Micro SD card is used.</li> <li>Use a high-speed Micro SD card when use a card on the market.</li> </ul>

# Specifications

Insertion Tube Outer		φ 6.9mm		
	Tube Length (mm/inch)	1.5m (59") / 3.0m (118") / *5.0m (197")		
	Exterior	Metal Blade		
	Waterproof	Insertion Tube and Tip		
	Chemical Compatibility	Machine Oil, Heating Oil, Engine Oil, 3.5% Concentrated Saltwater, Diesel Fuel		
Optics	Field of View (HV)	72°/54°		
	FNo.	F6.0		
	Depth of Field	15mm~∞		
	Illumination Method	Super High-intensity 4 White LEDs		
Articulation	Articulation Angle	360°(over 90°in every direction)		
	Articulation Control	Joystick with "Direct Control" Mechanism		
	Rigid Distal End Length	15mm		
LCD Monitor		3.5inch Color Digital TFT		
Observation Function		2x Digital Zoom Display / External Temperature Display (Celsius/Fahrenheit)		
		Temperature Alarm Display		
Gain adjustment		5 Level		
Still Capture / Record Function		LED Flash Capturing (Still image) /Time-lapse Recording (Movie)		
Input/Output	Video Output	\$\$\phi_2.5m Stereo Mini Jack for RCA Video Output (NTSC/PAL)		
	USB Output	Mini B Terminal ver. 2.0 Video Capture Output (includes Driver / Viewer Software)		
	Audio Output	Monaural Flat Jack for Hands-free Earphone (attachment)		
	Microphone Input	Monaural Flat Jack for Hands-free Microphone (attachment)		
Storage	Storage Media	Micro SD Card (Max. 2GB)		
	Still Image	JPEG 640×480 pixels		
	Movie	Motion JPEG (AVI file extension) / 640×480pixels 15 ~ 30fps		
		Voice recording function via the attached microphone		
	Storage Capacity	Still Image:Max. 500 pictures		
	( with 1GB Micro SD Card )	Movie Recording: Approx. 60 minutes (Normal Mode) / Approx. 9 hours (Time-lapse Mode)		
Playback Function		Still Image: Thumbnail 9-image Display / Full Screen Display		
		Movie: Play, Pause		
Menu Operation		Image Adjustment (Brightness, Contrast, Hue, Sharpness)		
		Delete store image / Clock time setting		
		Language: Japanese / English USB Mass Storage		
Operating Temperatures (Insertion Tube)		In air:-30°C $\sim$ 60°C (-22°F $\sim$ 140°F) non condensing / Under water:10°C $\sim$ 30°C(50°F $\sim$ 86°F)		
Power Supply	DC	DC 6V (with four AA alkaline batteries)		
	AC	AC Adaptor (IN 100V~240V OUT6V/0.85A)		
Operating Time		Max. 1.5 hours (with four AA alkaline batteries)		
Weight		570g / 20 oz (without batteries at 1.5m length)		
Carrying Case		495 x 420 x 145 mm (19 x 17 x 5 inch)		

\*Specifications and design may be changed without pre-notice. \*5.0m insertion tube length is custom-order.

### Chemical Compatibility (under ordinary temperature and pressure)

Chemical compatibility refers to the cable's tolerance for various liquid substances. It is impossible to list and test all liquid substances available in the industrial environment. However, RF SYSTEM lab has tested some of the most common substances for the cable's chemical compatibility as a reference.

#### Regardless of liquid types, the duration of exposure to the liquid must be minimized.

Tolerant Liquid:

Water / 3.5% Concentrated Saltwater / Machine Oil / Diesel Fuel / Kerosene / Engine Oil /Engine Coolant (Ethylene glycol) / Gasoline\*Do NOT use VJ under vaporized and sealed condition. There is a risk of explosion.

Nonresistant Liquid: Strong Acid / Strong Alkaline liquids

# Warranty Terms

#### 1. Warranty Information

If the unit fails to operate properly with the normal use in accordance to the user's guide, RF SYSTEM lab conducts the repair of the unit based on the terms

#### 2. Warranty Subject

Main Unit (The insertion cable part is excluded)

#### 3. Duration of Warranty

- One (1) year from your purchase
- For the after-repaired product, the duration of warranty is three (3) months from the delivery date. (It is applicable when the problem has the same symptom at the identical part)
- Shortage or initial defects of attachments is not covered by warranty. They are found by any possibility, please contact the company you purchased from within three (3) days of delivery.

#### 4. Conditions

- Regardless of the remaining warranty period, the repair is subject to fees under the following conditions.
- 1) Any necessary replacement due to the deterioration of consumable parts such as insertion cable and batteries.
- Any damages or failures caused by fire, earthquake, floods, lighting strike, environment disruption, abnormal voltage surge, or any other acts of providence.
- 3) Any damages or failures caused by misusage, unauthorized repair, disassembling or customization. Opening the product casing also applies here.
- 4) Any damages or failures caused by fall during transportation, or inappropriate handling of the unit.
- 5) Any damages or failures caused by repair, parts replacement or adjustment at outside of RF SYSTEM lab factory.
- 6) Any repair request without the warranty certificate, or warranty certificate without distributor's name or purchase date, or tamper with the certificate.
- 7) Any damages or failures caused by natural wear and tear, attrition and degradation of consumable parts.
- This warranty is valid only in the country, where the unit was originally delivered.
- This warranty is valid only for the original purchaser and does not apply to resale or transfer.

#### 5. Coverage

- This guarantees the free repair only under the warranty terms, which are specified on this certificate, and does not restrict the customers from lawful rights.
- The warranty does not cover the unit, which is contaminated by detrimental substances.
- The warranty does not cover any damages or failures on the image storage media and stored data. It is responsible for user to make a backup copy.

#### 6. Other

- All part replaced for the repair is taken and disposed by RF SYSTEM lab.

Warranty Certificate			
Product	¢6.9mm Articulating Video Borescope	Serial No.	
Model	VJ ADV		Name:
Warranty Period	Warranty Subject: Main Unit Duration of Warranty: 1 year (From the original purchase date)	Distributor	Phone:
Customer Information	Name Address Phone		

This certificate serves as the guarantee of the free repair based on the warranty term stated on the above terms. If the unit requires the repair within the stated period of time, please contact to your local distributor or RF SYSTEM lab. Customer Service.



