



DIGITAL CARD CAMERA  
**FUJIX DS-505A**



The lenses are sold separately.

**OWNER'S MANUAL**

This manual will show you how to use your FUJIX DIGITAL CARD CAMERA DS-505A correctly. Please follow the instructions carefully.

DIGITAL STILL  
CAMERA SYSTEM



**FUJII PHOTO FILM CO., LTD.**

26-30, Nishiazabu 2-chome, Minato-ku, Tokyo 106, Japan.

B304995-200(1)

Printed on recycled paper.

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**EC DECLARATION OF CONFORMITY**

We

Name: Fuji Photo Film (Europe) G.m.b.H.

Address: Heesenstrasse 31

40549 Dusseldorf, Germany

declare that the product

Product Name: Fujix Digital Card Camera DS-505/505A/515

Manufacturer's Name: Fujii Photo Film Co., Ltd.

Manufacturer's Address: 26-30, Nishiazabu 2-chome, Minato-ku, Tokyo 106,  
Japan

is in conformity with the following Standards

Safety: EN60950

EMC: EN55022: 1987 Class B

EN50082-1

IEC801-2: 1991 4kVCD, 8kVAD

IEC801-3: 1984 3V/m

IEC801-4: 1988 1kV AC, 0.5kV I/O

following the provisions of the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC).



Dusseldorf, Germany August 1, 1996

Place \_\_\_\_\_ Date \_\_\_\_\_ Signature/Managing Director \_\_\_\_\_

**Preface**

Thank you for purchasing the Fujix Digital Card Camera DS-505A. This Owner's Manual describes the new features and changes between the DS-505A and DS-505 only. Please read this manual together with the DS-505/515 Owner's Manual carefully before operating.

The DS-505A is an improved version of the Fujix Digital Card Camera DS-505 with several product enhancements. Major changes in features are described below.

- New Flash mode for White Balance mode
- Improved Sensitivity and Film Speeds from 800–1600 to 800–3200
- New Preview mode
- New Image Memory Card HG-5/20

**How to use this manual**

The pages indicated in the section titles refer to the pages in the DS-505/515 Owner's Manual.

**Example:**

**Inserting the Image Memory Card (Page 24)**

See page 24 of the  
DS-505/515 Owner's Manual.

## Inserting the Image Memory Card (Page 24)

Use the Fujix Image Memory Card HG-15 and be sure to initialize the card before using it for the first time.

Use the Fujix Image Memory Card HG-5/15/20 and be sure to initialize the card before using it for the first time.

When card initializing is complete, subdirectory area "IMFID10" is automatically created on the card for storing image data.

*—This directory is very important for managing files. Do not delete directory or files, and do not alter file names from the computer. The image memory card may no longer be usable with the camera.*

## Inserting the Image Memory Card (Page 25)

### ● CAUTION

Any data in the memory card will be deleted during initialization.

- This data will not be recoverable.
- Take special care when initializing a memory card other than for the first time.

### ● CAUTION

Any data in the memory card will be deleted during initialization.

- This data will not be recoverable. Save and backup valuable data before initializing the card.
- Take special care when initializing a memory card other than for the first time.

## Setting the frame advance mode (Page 34)

### C: Continuous shooting mode

Shooting operation continues as long as the shutter release button is depressed.

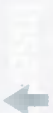
### C: Continuous shooting or preview mode

In continuous shooting mode: Shooting operation continues as long as the shutter release button is depressed.

In preview mode: The video signal from camera to monitor is renewed each time you press the shutter release button. However, no image data can be downloaded to the Image Memory Card. (See page 14-15 of this manual.)

Refer to the table below for mode specifications and corresponding number of frames.

Image quality mode	Image compression factor	Data size per frame	Min. number of frames per HG-15 (15MB)
<b>HI</b>	Non compression	Approx. 2.45MB	5
<b>FINE</b>	1/4 (4 bit/pixel)	Approx. 640KB	21
<b>NORMAL</b>	1/8 (2 bit/pixel)	Approx. 320KB	43
<b>BASIC</b>	1/16 (1 bit/pixel)	Approx. 160KB	84



Refer to the table below for mode specifications and corresponding number of frames.

Image quality mode	Image compression factor	Data size per frame	Min. number of frames per		
			HG-5 (5MB)	HG-15 (15MB)	HG-20 (20MB)
<b>HI</b>	Non compression	Approx. 2.45MB	1	5	8
<b>FINE</b>	1/4 (4 bit/pixel)	Approx. 640KB	7	21	30
<b>NORMAL</b>	1/8 (2 bit/pixel)	Approx. 320KB	15	43	62
<b>BASIC</b>	1/16 (1 bit/pixel)	Approx. 160KB	29	84	121

In order to ensure proper white balance, an Auto white balance mode and five manual white balance modes are provided with this camera. For most scenes, select the auto white balance mode. Choose the manual modes for particular lighting situations. We recommend that you experiment with the various settings until you are fully familiar with them.

—When using a speedlight in external synchro-flash shooting mode, the white balance is adjusted between subject brightness and the light from the flash.



In order to ensure proper white balance, an Auto white balance mode and six manual white balance modes are provided with this camera. For most scenes, select the auto white balance mode. Choose the manual modes for particular lighting situations. We recommend that you experiment with the various settings until you are fully familiar with them.

—When using a speedlight, or in external synchro-flash shooting mode, white balance is adjusted between subject brightness and the light from the flash. The above applies to all white balance modes, with the exception of Flash mode. In Flash mode, white balance is fixed at preset color temperature.

While pressing the W.Bal button, rotate the command dial to change the mode.

—The  mark in the LCD panel settles above one of the following symbols.



While pressing the W.Bal button, rotate the command dial to change the mode.

—The  mark in the LCD panel settles above one of the following symbols.



—In Flash mode, both  and  marks light up simultaneously.



## Adjusting white balance (Page 39)

### : Flash mode

Best suited for taking pictures in locations where high-power flash units are used such as in studios or other facilities. White balance is fixed at color temperature 5700K.

## Setting the sensitivity level (Page 41)

Two shooting sensitivity levels equivalent to film speeds of ISO 800 (STD) and ISO 1600 (HIGH) can be selected. Set the sensitivity to "STD" when taking pictures outside in bright weather, and "HIGH" for dark interiors.

Two shooting sensitivity levels equivalent to film speeds of ISO 800 (STD) and ISO 3200 (HIGH) can be selected. Set the sensitivity to "STD" when taking pictures outside in bright weather, and "HIGH" for dark interiors.

### NOTE

#### Sensitivity and film speed

This camera's shooting sensitivity is equivalent to ISO film speeds of 800 and 1600. Equivalent shutter speed/f-stop combinations can be calculated based on this ISO rating. For example, to compare traditional film to digital, at 1/250 second for the same scene brightness, the DS-505 might use f/6.7 at ISO 800 which would be equivalent to f/2.8 at ISO 150 on a regular Nikon SLR.

### NOTE

#### Sensitivity and film speed

This camera's shooting sensitivity is equivalent to ISO film speeds of 800 and 3200. Equivalent shutter speed/f-stop combinations can be calculated based on this ISO rating. For example, to compare traditional film to digital, at 1/250 second for the same scene brightness, the DS-505A might use f/6.7 at ISO 800 which would be equivalent to f/2.8 at ISO 150 on a regular Nikon SLR.

## Setting the six basic modes simultaneously (Page 45)

—Command lock is cancelled. (See page 46.)

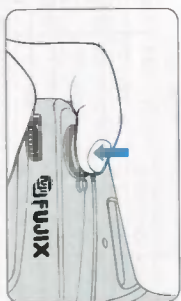
—Command lock (See page 46 of the DS-505/515 Owner's manual.) and preview mode (except during video output) (See page 14-15 of this manual.) are cancelled.

## External synchro-flash shooting (Page 62)

### 3 Depress the shutter release button.

The "Sy" mark blinks in the LCD panel to indicate that the camera is in standby mode; pictures are taken in sync with the firing of the remote speedlight.

—The standby mode will be canceled approx. 10 seconds after depressing the shutter release button if the firing of the remote speedlight is not detected by the camera.

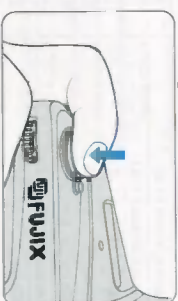


### 3 Depress the shutter release button:

The "Sy" mark blinks in the LCD panel to indicate that the camera is in standby mode; pictures are taken in sync with the firing of the remote speedlight.

—The standby mode will be canceled approx. 2 minutes after depressing the shutter release button if the firing of the remote speedlight is not detected by the camera.

—To cancel the standby mode, rotate the Main dial to L and turn the power OFF. Note that the mirror remains in the up position throughout. Set the Main dial to L and turn the power ON again to bring the mirror back down.





Frame advance mode	<p>C: Continuous shooting; Approx. 1 frame/sec. (in BASIC mode) (when using HG-15)</p> <p>Preview: For monitoring shooting image (No image data can be downloaded to the Image Memory Card.)</p>
Viewfinder information	<p>By LED—Focus indicators (in-focus, front-focus, rear-focus), Exposure compensation mark, Flash-ready light (lights up when charging is completed, and blinks to alert the subject is out of the flash shooting range when used with Nikon SB-27, SB-26 or SB-25)</p>
Sensitivity	ISO equivalent 800 (STD) and 3200 (HIGH) switchable

Handwritten notes on a memo page with a dashed line border. The text is mostly illegible due to blurring and low contrast. A logo for 'CVISION TECHNOLOGIES' is visible in the upper left quadrant of the page. The logo features a stylized eye icon above the text 'CVISION TECHNOLOGIES'.

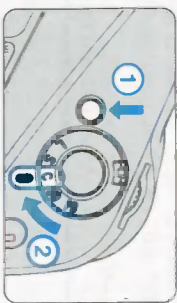


In this mode, the video signal from camera to monitor is renewed each time you press the shutter release button. You can prepare shooting while checking compositions and exposures before shooting.

—No image data can be downloaded to the Image Memory Card. When you want to download image data to the Image Memory Card, cancel the preview mode or set the focus mode to S (single servo autofocus). (See page 34 of the DS-505/515 Owner's manual.)

## 1 Set the frame advance mode to C.

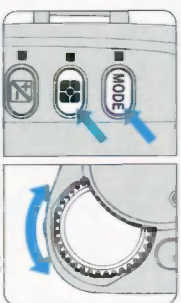
While pressing the Main dial lock-release button, rotate the Main dial to C.



## 2 To set Preview mode, rotate the command dial while simultaneously pressing the MODE and Metering system buttons.

—Rotate the command dial to toggle between the C (continuous shooting) mode and the preview mode.

—Check if the frames-shot counter in the LCD panel and the frame counter in the viewfinder are blinking.



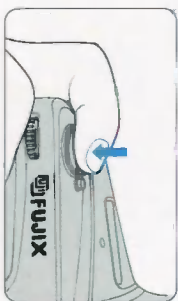
## 3 Release the shutter.

Image data is output from the V-Out (video output) terminal.

—Continuous shooting operation cannot be performed even when the shutter release button is held down.

—If no Image Memory Card is inserted, the shutter can be released but no image data is output.

—If the Image Memory Card cannot store data (because of insufficient memory, write-protection, etc.), the shutter cannot be released.



## 4 Release the shutter again to renew the video output.

—Whenever the shutter is released, video output is renewed.

—In preview mode, video output operation stops automatically after approx. 3 minutes when the camera is not in use. The power will turn OFF after a further 16 seconds when the camera is not in use. Press the shutter release button halfway or set the Main dial to any position other than C to stop video output operation.

—You cannot use the command dial and aperture dial to change modes and values during video output (automatic resetting for basic shooting is not applicable also, see page 45 of the DS-505/515 Owner's Manual). Cancel preview mode to change shooting conditions once.

### NOTE

AC Power Adaptor AC-D5 for the DS-505/515 camera can also be used with the DS-505A camera.