

SPECIFICATIONS

■ DIGITAL CAMERA FinePix REAL 3D W1

Number of effective pixels*1	Approx. 10.0 million pixels
CCD sensor	1/2.3-inch CCD x2
Storage media	Internal memory (approx. 42MB) / SD memory card /SDHC memory card*2
File format	3D Still image: MPO+JPEG, MPO (Multi Picture Format compatible) 2D Still image: JPEG (Exif Ver 2.2**)/ (Design rule for Camera File system compliant / DPOF-compatible) 3D Movie : 3D-AVI (Stereo AVI format with 2 image channels) 2D Movie : AVI format (Motion JPEG with sound)
Number of recorded pixels	L<4:3> 3648x2736/ L<3:2> 3648x2432/M<4:3> 2592x1944/ S<4:3> 2048x1536
Lens	Fujinon 3 X optical zoom lens , F3.7(W) - F4.2(T)
Lens focal length	f=6.3mm - 18.9 mm, Equivalent to 35- 105 mm on a 35mm camera
Zoom	3D : up to 3.8x (Combined optical and digital zoom) 2D : up to 17.1x (Combined optical 3x zoom and digital zoom 5.8x zoom)
Aperture	F3.7/F5/F8 (W), F4.2/F5.6/F9 (T)
Focus distance (from lens surface)	Normal : Approx. 60 cm (2.0 ft.)-infinity Macro (2D only) : Wide Approx. 8 cm-80 cm/0.3 ft.-2.6 ft. Telephoto Approx. 60 cm-3 m/2.0 ft.-9.8 ft. Quick AF: Approx. 1 m (3.3 ft.)-infinity
Sensitivity	Auto / Equivalent to 100/200/400/800/1600 (Standard Output Sensitivity)
Exposure control	TTL 256-zones metering, MULTI, SPOT, AVERAGE
Exposure mode	Programmed AE, Aperture Priority AE, Manual
Shooting modes	SP mode : Natural light, Natural light and with Flash, Portrait, Landscape, Sport, Night, Night (Tripod), Sunset, Snow, Beach, Underwater, Party, Anti-Blur ADV 3D : Interval 3D shooting, Individual shutter 3D shooting, ADV 2D : TeleWide simultaneous shooting , 2-Color simultaneous shooting, 2- Sensitivity simultaneous shooting
Shutter speed	Night : 1/8 sec -1/500 sec Night (Tripod): 3 sec-1/500 sec Manual : 1/2 sec -1/1,000 sec All Other modes including AUTO : 1/4 sec-1/1,000 sec
Continuous shooting	3D : Top-40 (max 2 frames/sec.1 "S" only) 2D : Top-40 (max 1 frames/sec) High speed Top-40 (max 3 frames/sec, "S" only)

Focus	Mode: Single AF AF mode : 3D: Center, 2D : Center, Multi (for Face Detection off only)
White balance	Automatic scene recognition, Preset (Fine, Shade, Fluorescent light (Daylight), Fluorescent light (Warm White), Fluorescent light (Cool White), Incandescent light)
Self-timer	Approx. 10 sec./2 sec.delay
Flash	Auto flash Effective range: (ISO AUTO): Normal : Wide : Approx. 60 cm-3.7 m/2 ft.-12.1 ft. Telephoto: Approx. 60 cm-3.3 m/2 ft.-10.8 ft. Macro (2D only) : Wide : Approx. 30 cm-80 cm/1 ft.-2.6 ft. Telephoto : Approx. 60 cm-1.6 m/2 ft.-5.2 ft. Flash mode : Red-eye removal OFF : Auto, Forced Flash, Suppressed Flash, Slow Synchro, Red-eye removal ON : Red-eye Reduction Auto, Red-eye Reduction & Forced Flash, Suppressed Flash, Red-eye Reduction & Slow Synchro.
LCD monitor	2.8-inch , approx.230,000 dots color LCD monitor with Light Direction Control, approx. 100% coverage
Movie recording	640 x 480 pixels, 30 frames/sec. 320 x 240 pixels, 30 frames/sec. With stereo sound (* Zoom function cannot be used during movie recording.)
Photography functions	3D : Auto parallax control, Power management, Framing guideline, frame number memory 2D : Face Detection (with Red-eye removal), Power management, Framing guideline, Frame number memory
Playback functions	3D : Parallax adjustment, Multiframe playback (with Micro Thumbnail), Cropping, Resize, Sorting by date, Slide show 2D : Face Detection (with Red-eye removal), Multiframe playback (with Micro Thumbnail), Sorting by date, Cropping, Resize, Slide show, Image rotate
Video output	NTSC / PAL selectable
Digital input/output	USB 2.0 High-speed
Power supply	NP-95 Li-ion battery / AC power adapter AC-5VC (NP-95: charges in about 4 hours)
Dimensions	123.6(w) x 68(H) x 25.6(D) mm/4.9(W) x 2.7(H) x 1.0(D) in.(excluding accessories and attachments)
Weight	Approx.260 g/9.2 oz.(excluding accessories, batteries and memory card)



3D Digital Camera
FinePix REAL 3D W1



3D Digital Viewer
FinePix REAL 3D V1

■ DIGITAL VIEWER FinePix REAL 3D V1

LCD	Type	3D/2D switchable color display, 3D : Parallax barrier type
	Screen size	8.0-inch
	Resolution	800x600 dots (3D : 400 x 600 x 2 channel)
	Display aspect ratio	4:3
	Brightness	Approx. 250cd/m ²
Internal memory		512MB
Compatible Image file format		JPEG, MP Format, AVI, 3D-AVI
Digital	USB connector	[Device] mini-USB (Type B)
input/output	Media slots	xD-picture card/SD memory card/SDHC memory card
	IR communication	Available
Power supply		AC power adapter (included, AC100-240V 50/60Hz)
Power consumption		Approx. 15W (for 3D) / Approx. 9W (for 2D)
Dimensions		Approx. 216(W) x 162(H) x 30.9 (D)mm / 8.5 (W) x 6.4(H) x 1.2(D) in.
Weight		Approx. 630g/22.2 oz (including stand)

Internal Memory / Memory Card Capacity

The figures for the number of available frames assume that MPO+JPG is selected. Multiply these numbers by about 1.5 for MPO - only files, and by about 3 for JPG (2D) images.

Modes	L<4:3>		L<3:2>		M<4:3>		S<4:3>		3D movie		2D movie		
	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL	640	320	640	320	
Size (pixels)	3648x2736		3648x2432		2592x1944		2048x1536		640x480	320x240	640x480	320x240	
File Size	MPO+JPEG	14.7 MB	7.4 MB	13.1 MB	6.6 MB	7.5 MB	3.8 MB	4.7 MB	2.4 MB				
	MPO	9.8 MB	4.9 MB	8.7 MB	4.4 MB	5.0 MB	2.5 MB	3.1 MB	1.6 MB				
	JPEG	4.9 MB	2.5 MB	4.4 MB	2.2 MB	2.5 MB	1.3 MB	1.6 MB	0.8 MB				
Internal Memory (42MB)	2	5	3	6	5	11	8	17	—	36sec.	—	1min,10sec	
SD card	512MB	30	65	35	70	65	120	100	200	3min.	7min.	7min.	13min.
	1GB	65	130	75	140	130	260	200	410	7min.	14min.	14min.	27min.
	2GB	130	260	150	290	260	520	410	810	14min.	28min.	28min.	54min.
	4GB	260	530	300	590	530	1040	830	1630	28min.*	56min.*	56min.*	108min.*
SDHC card	8GB	530	1070	600	1200	1060	2090	1680	3270	57min.*	113min.*	113min.*	218min.*
	16GB	1070	2120	1200	2380	2110	4150	3330	6500	114min.*	224min.*	224min.*	433min.*

* Total length of all movie files. Individual movies can not exceed 2GB, regardless of capacity of memory card.

*1 : Number of effective pixels : The number of pixels on the image sensor which receive input light through the optical lens, and which are effectively reflected in the final output data of the still image.
*2 : Please see the Fujifilm website to check memory card compatibility.
*3 : Exif 2.2 is a digital camera file format that contains a variety of shooting information for optimal printing.

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Accessories included (FinePix REAL 3D W1)

- Li-ion battery NP-95
- AC power adapter AC-5VC
- USB cable
- Hand strap
- CD-ROM : FinePixViewer
- Owner's Manual

Optional accessories

- Li-ion battery NP-95
- Battery charger BC-65S
- A/V cable AV-C1

Accessories included (FinePix REAL 3D V1)

- AC power adapter
- USB cable
- Stand
- Remote controller
- Lithium battery (CR-2025)
- CD-ROM : FinePixViewer
- Owner's Manual

Caution

If you experience fatigue or discomfort while viewing 3D images, cease use immediately. A ten-minute break is recommended about once every half hour. Switch to 2D immediately if 3D images still appear double after you have adjusted parallax. Individuals with a history of photosensitive epilepsy or heart disease or who are unwell or suffering from fatigue, insomnia, or the affects of alcohol should refrain from viewing 3D images. 2D display is also recommended for young children (up to the age of about six) whose visual system is still maturing and for individuals with notable differences in vision between their two eyes, who may find it difficult or impossible to observe the 3D effect. Viewing 3D images while in motion may cause fatigue or discomfort.

Specifications are subject to change without notice. For more information, please visit our Website:

<http://fujifilm.com/3d/>



FINEPIX REAL 3D

FinePix REAL 3D System Welcome to the future of imaging.

The future is now! FUJIFILM REAL 3D technology pioneers a new dimension in imaging.

From the advanced 3D digital camera to the stunning 3D digital viewer and breakthrough 3D printing technology, this total 3D imaging system will change the way you take and enjoy photos.

Viewed with just the naked eye, 3D images come alive with breathtaking reality and natural beauty.

Images that once were only a dream are now a reality!



FUJIFILM's 3D digital camera brings a new dimension to imaging.

Take it, save it, and play it back all in 3D and all with a single camera!

The FinePix REAL 3D W1 comes in a compact body and is equipped with 2 lenses and 2 CCDs.

Using high-precision lens control system, two images are captured with right and left lenses at the same instant.

Advanced image processing merges them to create a 3D image on the spot in the blink of an eye.

Our breakthrough technology also makes it possible to view your captured 3D images with just the naked eye on the innovative LCD monitor.

The FinePix REAL 3D W1 puts the key to the world of 3D imaging in the palm of your hand.



3D Digital Camera
FINEPIX REAL 3D W1



3D Digital Viewer
FINEPIX REAL 3D V1

The 3D digital viewer displays exceptional image quality with intuitive ease.

Innovative technology in the 3D digital viewer lets you view 3D images without the aid of special glasses – just your eyes!

Enjoyment of the cutting edge of imaging is easy thanks to features like the intuitive touch bar & touch key, simple remote control, and wireless infrared connectivity for smooth data transfer.

Not only 3D images but also 2D photos can be shown in vivid detail on the FinePix REAL 3D V1.



Enjoy cutting-edge prints of your 3D Photos.

For those 3D images you want to keep as a print forever, FUJIFILM has developed a high-precision 3D photo printing technology – the culmination of our decades of experience in photo development and processing. The wonder of our 3D photo printing technology is bringing priceless moments to life!

3D Prints
5"×7" / 127×178mm
4"×6" / 102×152mm

FinePix REAL 3D Website
<http://fujifilm.com/3d/>

FINEPIX REAL 3D W1



With a robust sliding barrier protecting the lenses, the camera is designed for superb ease of operation.



Control button for one-touch switching between 3D/2D shooting.



Settings are easy with blue illuminated buttons. Even graphical user interface including the menus are displayed in 3D.



The innovative twin 3x zoom lens optical system has been developed by Fujinon. Lens positioning is optimized for 3D imaging.



The newly developed 3D LCD monitor serves as both a canvas for composing shots and a screen for playing back your images in 3D.



Twin microphones and speakers deliver high-quality stereo recording and playback to enhance the 3D experience.

FINEPIX REAL 3D V1



Touch keys appear only when you operate the controls, and disappear during playback for undistracted enjoyment of your images.



3D digital viewer features a touch bar for simple fingertip operation. Quickly browse through albums to find an image with smooth control.



Using original 3D imaging technology, 3D digital viewer reproduces 3D images with exceptional detail on the 8-inch LCD viewer.

Shoot, View & Print in 3D! Only FUJIFILM takes you to the cutting edge of 3D digital imaging.



3D Digital Camera
FINEPIX REAL 3D W1



3D Digital Viewer
FINEPIX REAL 3D V1



3D Prints



3D CAMERA FinePix REAL 3D LENS SYSTEM

High-precision lens alignment technology for high-quality 3D image capture.

Acclaimed for superb resolution and definition, Fujinon lenses are the choice of professional cameramen and a key component of many professional imaging devices. For the FinePix REAL 3D W1, Fujifilm has developed a

groundbreaking image capture system comprising 2 Fujinon lenses and 2 CCDs and integrated it in the compact body with high-precision engineering. An aluminum die-cast frame provides the solid platform for the precision alignment of the left and right lenses so you can take 3D images with an unprecedented quality of reality.



3D CAMERA RP (REAL PHOTO) PROCESSOR 3D

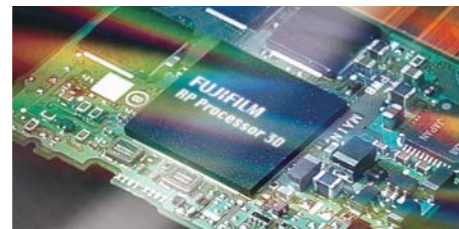
Instant and simultaneous processing of image data captured by the twin lens-CCD system.

Image data captured by the twin lens-CCD system is processed by the RP (REAL PHOTO) Processor 3D – a newly developed processor that evaluates all photographic factors from focus and brightness to color tonality, and then merges the left and right

images in a single 3D image. It is also the power behind 3D Auto – the function that makes point-and-shoot 3D photography a reality! This processor can also control the two capture systems independently to capture two different images of the same subject simultaneously – each with different photographic settings.

Synchronized capture by twin CCDs.

A new system for synchronized control of the 2 CCDs is built into the camera. High precision synchronization of the left and right shutters captures frames at the same instant. By preventing position drift between the 2 image frames, this technology produces a synchronized image with a natural sense of depth. Even shooting at 30fps, the frame-level synchronization can deliver dynamic 3D movies.



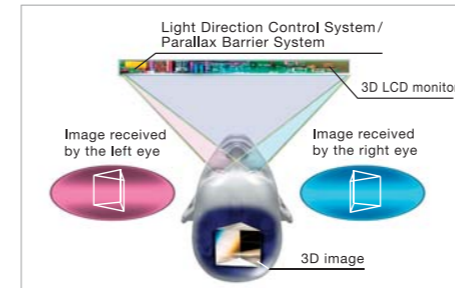
3D CAMERA **3D VIEWER** 3D LCD MONITOR SYSTEM

Original technology displays 3D images that jump out of the screen.

Our ability to perceive depth comes from viewing an object along two different lines of sight. This phenomenon is called parallax. The monitor on the 3D digital camera

uses an originally developed “Light Direction Control System” and the 3D digital viewer adopts a “Parallax Barrier System” to precisely direct light to the right and left eyes in a way that simulates parallax. Both enable easy and natural viewing of 3D images without special glasses – just the naked eye.

Enjoy 3D playback on the rear camera monitor or digital viewer.

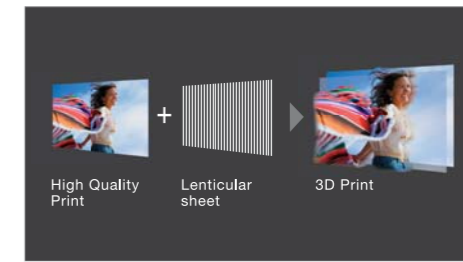


With the FinePix REAL 3D system, you can review images in 3D on the camera's LCD monitor or watch them on the large LCD monitor of the 3D digital viewer. Frame your shot in 3D and play it back in 3D on the spot with the camera's monitor. On the large-screen 3D digital viewer, enjoy and share the full impact and presence of your 3D photos.

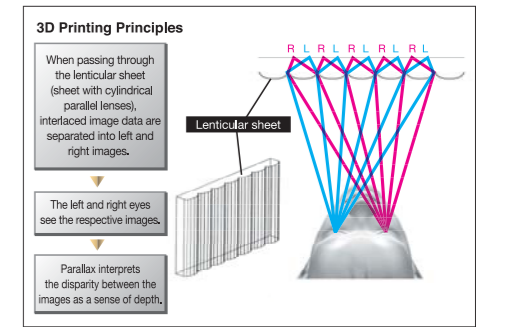
3D PRINT HIGH-RESOLUTION 3D PRINT SYSTEM

Advanced printing technology for production of quality 3D prints.

FUJIFILM has succeeded in the precision lamination of high-resolution, low-halation prints with lenticular sheets that create the 3D effect. Advanced technology encodes and aligns the captured 3D image according



to the pitch of micro lenses arranged in parallel rows on the lenticular sheet. Seen through the sheet, image data is perceived with a parallax effect. The result is a natural and beautiful 3D print that preserves and breathes life into the moment forever.





3D SHOOTING

Capture photos and movie in 3D.



3D AUTO SHOOTING

3D Still and Movie Shooting with Double 10MP CCD Plus 3x Optical Zoom

Shooting 3D images with an unprecedented "real feel" is simple and automatic with the built-in 3D Auto function of the FinePix REAL 3D W1 digital camera. Just frame your subject, press the shutter, and the scene is captured in a high-quality 3D image. Not only stills but also movie shooting recorded with stereo audio can be taken effortlessly. Featuring an innovative 3D viewing LCD monitor, you can shoot and review the results in 3D right on the spot.



ADVANCED 3D MODES

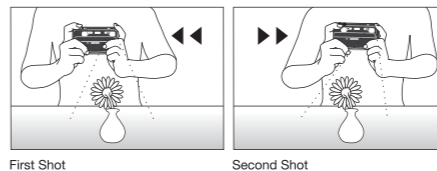
Individual Shutter 3D Shooting

With Individual Shutter 3D Shooting, you can take two shots of the same subject from different positions, and the camera automatically merges and saves the captured images as a single enhanced 3D photo. After the first image is taken, it appears as a transparent overlay on the monitor to help you align and frame the second shot. Photos of distant subjects like mountains and skyscrapers look amazing in enhanced 3D, while close-up subjects like flowers come to life in natural 3D.



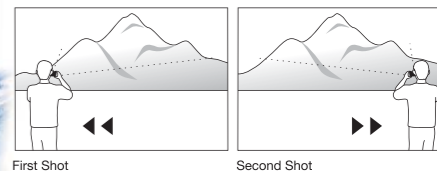
Macro Photography

Shoot 3D photos with a more natural sense of depth.



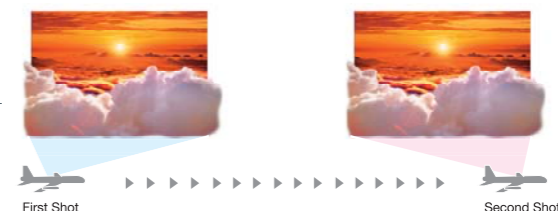
Landscape Photography

Shoot impressive 3D photos with an enhanced presence.



Interval 3D Shooting

With a single press of the button, the camera automatically takes successive shots. Perfect for shooting from a car, train or even an airplane to create a photo with an ultra 3D sense of depth. Imagine shooting clouds from the window of your flight and capturing the scene in super 3D! FUJIFILM truly brings a whole new dimension to photo enjoyment!



Parallax Control (3D Tuning Function)

Auto Parallax Control automatically adjusts the 3D effect for optimum viewing. For manual fine-tuning of the image, the Parallax Control Button on the back of the camera makes it easy to bring the 3D image into perfect focus while shooting or playing back 3D stills and movies.



Expanding the Frontiers of 3D Expression with Advanced Functions & Features

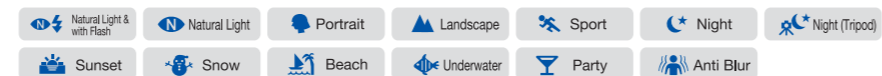


Manual Shooting Functions

Pursue the extremes of 3D and 2D photo expression with the manual shooting functions of the FinePix REAL 3D W1. Choose "M" (Manual) Mode for the freedom to set shutter speed and aperture. Get instant control of depth of field in "A" (Aperture Priority) Mode. With the built-in "P" (Program) Mode, the camera automatically sets the shutter speed and aperture value. With manual shooting functions, you can capture what your mind's eye sees in every detail.

Scene Positions for Every Moment

Just select the Scene Position (SP) that matches the subject and situation. The camera automatically optimizes every setting from shutter speed and white balance to sensitivity and even turning flash on or off. With a choice of 13 easy-to-select Scene Positions for both 2D and 3D photos, moments are captured with the best possible results every time you press the shutter.



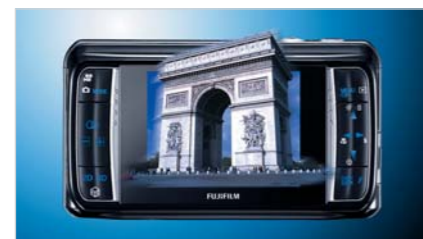
2.8-inch 3D LCD Monitor

The monitor on the back of the camera features a 2.8-inch high-resolution 230,000-dot LCD monitor incorporating our newly developed "Light Direction Control System". The cutting-edge monitor not only displays captured 3D images on the spot, but also lets you frame 3D shots while viewing the scene in 3D, and you can see it all with the naked eye!

Wireless Transfer of 3D/2D Image Data (IrSimple™/IrSS™)

With built-in IrSimple™/IrSS™ compatibility, 3D images captured with the W1 can be effortlessly beamed for viewing on the LCD screen of the FinePix REAL 3D V1 Viewer. Transfer of 2D image data is also possible with printers and digital cameras compatible with high-speed infrared data communications.

*IrSimple™ and IrSS™ are registered trademarks of the Infrared Data Association.
*Only SD/SDHC memory cards can be used for transfer of 3D movie data.



Display of 3D images on the camera.



Easy wireless transfer of image data.



2D SHOOTING

New frontiers in 2D shooting.

FinePix REAL 3D W1

2D SHOOTING

10 Megapixel Resolution & 3x Optical Zoom

Two built-in Fujinon 3x optical zoom lenses and two CCDs, each with 10 megapixel resolution, comprise the hardware platform for the image capture system. In addition, the advanced image processing of the newly developed RP Processor 3D enhances the resolution of 2D images, reproducing the subject in every detail.

ADVANCED 2D MODES

The Advanced 2D Modes let users use the two image capture systems independently. Just like shooting with 2 digital cameras, the user can choose different zoom, sensitivity and color settings for each image capture system and take 2 photos of the same scene at the same instant.

Tele/Wide Simultaneous Shooting

Zoom in on your subject and also take a wide-angle shot of the same scene at the same time. The twin-lens system lets you freely set the zoom magnification for one lens while the other is set to wide angle, letting you capture the exact same instant with totally different angles of view.

*With Tele/Wide Simultaneous Shooting, the left lens can zoom while the right lens is fixed in a wide angle setting.



Wide Angle

3x Optical Zoom

2-Color Simultaneous Shooting

Change the settings and with one press of the shutter, you can take two photos of the same scene with a different color tonality. Set one lens system to Standard and the other to the vivid colors of Chrome. You can also capture the scene in both Standard and vintage Black & White or shoot simultaneously with Chrome and Black & White. Fujifilm doubles your enjoyment of every moment.



Standard

Black & White

2-Sensitivity Simultaneous Shooting

Take two photos of the same instant - one at high sensitivity and one at low sensitivity. For example, you can take panned shots of a moving subject at the exact same instant with different degrees of background motion blur. In dark scenes, you can prioritize blur reduction for one shot, and image quality for the other. For times when you are not sure which sensitivity setting is better, you can shoot the moment at two settings and later pick the image to keep during playback.



Low Sensitivity

High Sensitivity



3D VIEWING

Enjoy high-quality 3D images with the naked eye.



8-inch high-resolution LCD panel

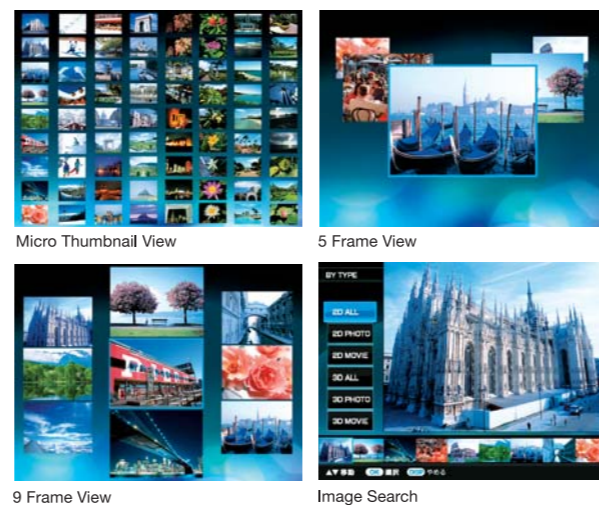
View your beautiful 3D images in high resolution on the large digital viewer (400 x 600 x 2 channel). Just insert the SD memory card of images and the viewer turns on, ready to present a 3D photo slide show. One touch of the touch key easily switches between 2D and 3D display modes. Manual fine-tuning for a more natural 3D effect is also simple with Parallax Control key.

Illuminated Touch Bar & Touch Keys

Illuminated touch bar and touch keys make viewer control smooth and easy. When not in use, the illuminated controls fade out, leaving just a frame and undistracted enjoyment of your images.

Diverse Playback Functions

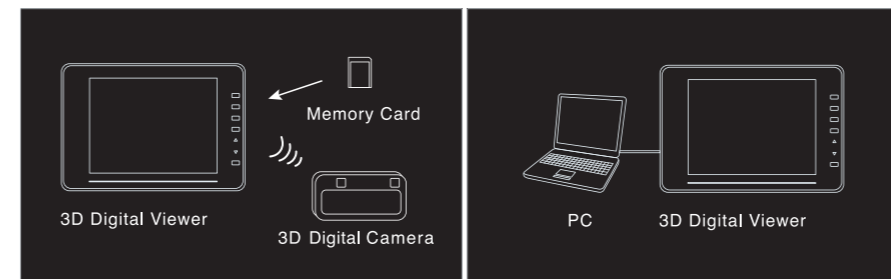
Enjoy 3D and 2D images presented in your choice of over 20 different slide show templates or watch playback of movie with recorded stereo audio. The viewer also features image management and navigation functions, making it easy to organize your favorite files and select photos from Micro Thumbnail, 5 or 9 frames at a time.



Setup Freedom & Simple Remote Control

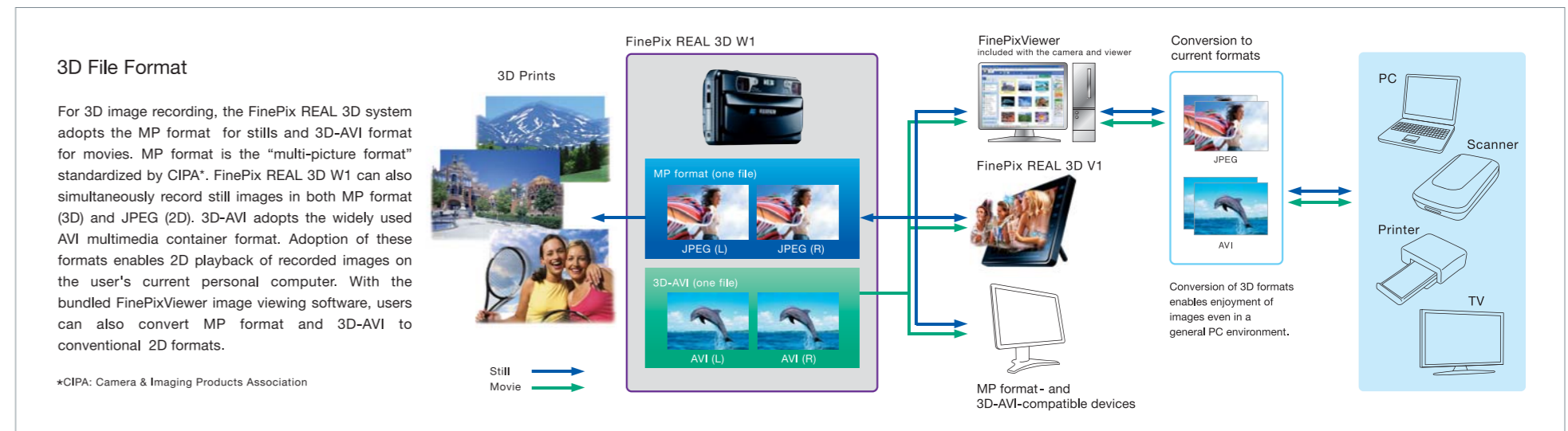
The viewer comes with an easy-to-setup stand for standard horizontal or vertical portrait* display, or it can be mounted on a tripod. With the included remote controller, users can remotely access selection and display menus for easy control of major functions and menu commands.

*Display in the vertical orientation is limited to 2D images.



Data Transfer from Personal Computers & 3D Digital Cameras

The viewer can read and display image data stored on memory cards. It can also receive image data from the FinePix REAL 3D W1 via high-speed Ir communication. Users can also directly connect it to their personal computer via USB and transfer stored images to the viewer for display.



3D File Format

For 3D image recording, the FinePix REAL 3D system adopts the MP format for stills and 3D-AVI format for movies. MP format is the "multi-picture format" standardized by CIPA*. FinePix REAL 3D W1 can also simultaneously record still images in both MP format (3D) and JPEG (2D). 3D-AVI adopts the widely used AVI multimedia container format. Adoption of these formats enables 2D playback of recorded images on the user's current personal computer. With the bundled FinePixViewer image viewing software, users can also convert MP format and 3D-AVI to conventional 2D formats.

*CIPA: Camera & Imaging Products Association