

- Easiest Digitizer using 3D camera -

Simple 3D Measurement Software

"AVS-Measure3D-F"

< Example of "AVS-Measure3D-F" >

Photo Shot using this camera



3D DIGITAL CAMERA from FUJI FILM
「FINEPIX REAL3D W1」
「FINEPIX REAL3D W3」



Data transfer to PC (USB or SDcard or Eye-Fi)

番号	ファイル名	撮影日時	焦点距離
35	DSCF9149.MPO	2011.05.25 11:08:43	広角端
36	DSCF9150.MPO	2011.05.25 11:08:51	広角端
37	DSCF9151.MPO	2011.05.25 11:09:03	広角端
38	DSCF9152.MPO	2011.05.25 11:09:18	広角端
39	DSCF9153.MPO	2011.05.25 11:09:25	広角端
40	DSCF9154.MPO	2011.05.25 11:09:34	広角端
41	DSCF9155.MPO	2011.05.25 11:09:42	広角端
42	DSCF9156.MPO	2011.05.25 11:09:54	広角端
43	DSCF9157.MPO	2011.05.25 11:10:19	広角端
44	DSCF9158.MPO	2011.05.25 11:10:26	広角端
45	DSCF9159.MPO	2011.05.27 11:06:09	広角端
46	DSCF9160.MPO	2011.05.27 11:06:15	広角端
47	DSCF9161.MPO	2011.05.27 11:06:20	広角端
48	DSCF9162.MPO	2011.05.27 11:06:28	広角端
49	DSCF9163.MPO	2011.05.27 13:37:53	広角端
50	DSCF9164.MPO	2011.05.27 13:42:20	広角端

x	y	z
-407.99	496.22	1954.50
742.38	626.29	3155.96
708.67	-309.07	3341.76
-169.14	-565.52	2201.71
587.70	-536.24	2988.68

Measurement of 3 dimensional distance (red line) between two points

Absolute coordinate (from the camera point)

Image Files List (MPO files)

Measurement Result List

- Simple 3D measurement software -

Using Fuji Film 3D Digital Camera "FINEPIX REAL3D W1®", "FINEPIX REAL3D W3®", this software can measure 3 dimensional distance between two points in the snapshot image by reading image into PC. Anyone can measure any points speedy and easily, because it is not necessary to set defined points and tape measure.

- FEATURE -

- Simple Measurement System**
By using consumer 3D digital camera, everyone can use.
- Plug in Play, Easy Operation**
User friendly operation.
Click two points on the image in PC screen, then you can get 3D distance.
- Absolute coordinate output**
Also, you can get absolute coordinate output (csv) of any point in the image.

- APPLICATION -

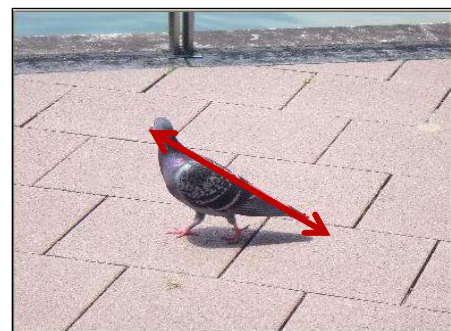
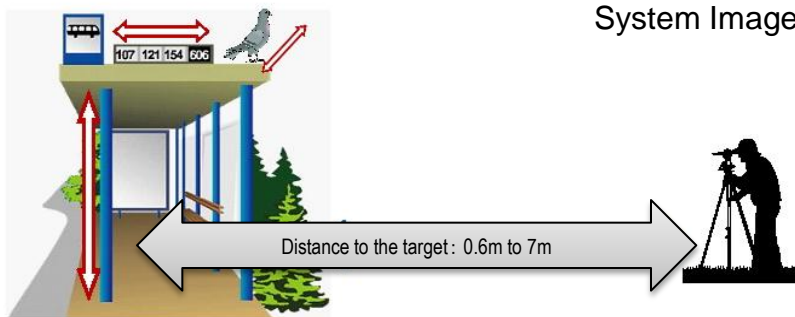
- Distance measurements and record any point in 0.6m to 7m from the camera (replace of ruler, convex)
- Off site measurement
 - Digitization of Building
 - Digitization of organisms etc...

- EXAMPLE -



< Measure "inaccessible locations" >

System Image



< Measure "mover object" >

[Products Name]

Simple 3D Measurement Software – AVS-Measure3D- F

[Feature]

	Trial Version	Regular Version
3D measurement between two point	Yes	Yes
Point number in 1 action	2	No limitation
Distance measurement from Camera	Yes	Yes
Absolute coordinate measurement	No	Yes
Absolute coordinate output	No	Yes
Version up	No	Yes (onerous)
Maintenance Support	No	2 years
Support	No (*1)	In Maintenance Support (2 incidents in a year)
Camera Calibration Service	Yes(*2)	Yes(*2)
Purchase Calibration Software	N/A	Yes (*3)(*4)
Purchase Calibration Board	N/A	Yes (*5)

(*1) Please read operation manual with the products. No question will not be received basically

(*2) Camera calibration is recommended if higher accuracy required due to the product variation of FINEPIX REAL3D W1®

(*3) In case of "Regular version", you can purchase Camera Calibration Software and calibrate your camera using the software

(*4) Calibration software will require Calibration board too.

(*5) In general case, wide-angle lens will require 60mm polka-dot calibration board and telephoto lens requires 30mm polka-dot calibration board. Please select one from those two or purchase both boards.

Please contact sales representative if you have question

[CAMERA in USE]

FUJI FILM 3D Digital Camera FINEPIX REAL3D W1® or FINEPIX REAL3D W3®

[Photograph Conditions]

Zooming position should be fixed in wide-angle or telephoto when taking photo.

Details: please refer operation manual

[Measurement accuracy]

Accuracy will be less than ± 10 mm in case distance from Camera to a Device under measure

Note 1: Using the camera AVS calibrated

Note 2: Above accuracy is introduced for your reference, not specified one because it is changeable due to distance, brightness, etc.

[System required]

OS: Windows XP SP3, Windows Vista SP2, Windows 7

Memory size: 1GB or more, HDD size: 500MB or more

[Additional Information]

- ① This software is not guaranteed its operation in all of various environment of customer. We do not promise modifications to fix In case of unexpected operation.
- ② Please acknowledge that the specification and the operation screen of software might change without notice.
- ③ We would like to recommend actual usage after evaluation measurement accuracy.
- ④ When the software is used, all captured data from FINEPIX REAL3D W1® or FINEPIX REAL3D W3® need to transfer to PC prior to the measurement and analysis. This software does not include data transfer function from Camera to PC.
- ⑤ The re-calibration will be required in case the impact force applied to the Camera or due to the lapse of optimal components in Camera. We recommend to use our Calibration service.
- ⑥ Even after the calibration, the accuracy might not be obtained due to the individual specificity of the camera.



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