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Shenzhen Bowei tech Co.ltd. ADD:RM902;ShangMei Times;NO.57;LongGuan RD;Long Hua Dist Shenzhen, China;518000 Tel:86-755-29994192 13148703639 Email:sales@bowei-ch.com http://www.bowei-ch.com/ Power Supply

Ballast

cable

0.00 MB of space required on the C drive 21791.51 MB of space available on the C drive

<Back Next> Cancel

• Lan-line - connect

Software CD

Magic Mirror with computer

II. Hardware Connection & Software Installation

Λ

II-1 Software Installation

1). Take out the CD from the box, and insert the CD into SkinAnalyzer2.0. exe setup. exe Macrovision Corp. CD-Driver of computer and open it, double click the icon then "NEXT" till finished installation. Attention: never change the path during the installation, just click "NEXT" till complete. See Figure2-3, Figure2-4, Figure2-5. X After finish installation, then you will found an icon in your desktop of computer. ikinAnalyzer - InstallShield Wizard Welco 2 Modify, repair, or remove the program Welcome to the SkinAnalyzer Setup Maintenance program. This program lets you r current installation. Click one of the options below. SkinAnalyzerV1 Modify Figure 2-3 Select new program features to add or select currently installed features to 1 1. double click it to install Reinstall all program features installed by the previous setup F Notice! Please don' t change the 1 Remove all installed features. < Back Next > Cancel click it to the next step path during installation! nalyzer - InstallShield Wizard ect Features elect the features setup will install. 2 the features you want to install, and deselect the features

Figure 2-4

2).Install the ACCESS database

Double click the ico click "NEXT" till completed. Note: If your computer already has Office software, then you no need to install ACCESS 2003.

Important!!! When install software, please close all the anti-virus software. Our software

will not bring any damage to your computer, you don't need worry about it. But anti-virus will regard it as virus, if not close, then software will be damaged and machine cannot be used.

II-2 Hardware Connection

Magic Mirror uses the web camera to collect photo, so connection is very simple, we can use the following 2 ways:

Figure 2-1

Figure 2-2

1) See figure 2-1, use the Lan-line to connect computer and Magic-mirror.

2) See figure 2-2 Using router/switch/concentrator as transit hole.

Note: Magic Mirror Skin Analyzer is now only compatible with WinXP and Win7 Software, so make sure your computer meets the requirement. But we will update according to market need.

II-3 IP Address Changing

After finish installing software, ACCESS 2003 Database, connect machine and computer with Lan-line successfully, then we go to change IP address.

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For Win XP, do as following : Network Neighborhood (right click) \rightarrow Attribute (Left click) \rightarrow Local Connection(right click) \rightarrow Attribute \rightarrow TCP/IP (choose it) \rightarrow Attribute \rightarrow Appear a TCP/IP Attribute window \rightarrow Using Following IP address (change IP address to 192.168.2.10; Subnet Mask to 255.

255.255.0; Default gateway: 192.168.2.1)

For Win7, do as following: Computer (click it one your desktop) \rightarrow Network \rightarrow Network and Share Center \rightarrow Local Connection \rightarrow Attribute \rightarrow TCP/IPv4 \rightarrow Attribute \rightarrow Using following IP Address (change IP address to 192.168.2.10; Subnet Mask to 255. 255.255.0; Default gateway: 192.168.2.1)

Notice! 1) Make sure the system of your computer is XP and Windows7.

2) Please change the IP address under Local Connection.

Note **Tresize of LCD display for computer prefers to be 19inch**, and resolution:

<u>1280*800.</u>

III. Operation Index

III-1. Entering

Double click the icon

and enter into system (see figure 3-1),

input user and password, and press "Enter" button, enter into skin analyzer window (see figure 3-2). The defaulted operator is "admin", password is "1234", then choose the right language. Notice! When choose language, first choose the language we want, then Exit, and then enter into system again

III-2. Client Information Management

Enter into registration window (See figure 3-2)

	Client In	for		Seach	Client				
	*Client Number:	0003		Number	OName	OTEL	٩		
2 9	*Client Name:	Zhang Miao	n∨	Client	nunber	Client Name Li JingJing	Client Telephone 13928414918		
G 1	Data:	2011-11-18		0002		Xian Kl Xia	13798360887		
-	• Sex :	Female							
	* Age:	24							
	• Tel:	1599959659	93						
Skin Analysis	Using Product:	Yumeijing							Figure 3-2
🚺 User Manual	Occupation:	Sales Prese	ntati∨e						<u>J</u>
🔍 Data Input			 Must be fill in 						
🔶 Exit		Add	Save Delete						
	Client Re	cord			Incontecto			SIGHE)	
	A	Analyzer Number	Analyzer Data			Analyzer Re	sul t		

2.1 Add Client

Single click "Add" button to clear the info column, and then fill out the clients information, click "SAVE", then you will see the right database of clients information, see steps:

	Client In	for		Seach Clie	nt	
	*Client Number:	0003		●Number ○Na	ac OTEL	٩
00	•Client Name:	Zhang Miao n	v	Client number	Client Name Li JingJing	Client Telephone 13928414918
64	Data:	2011-11-18		0002	Xian RI Xia	13798360887
-	• Sex :	Female	•			
	* Age :	24				
and the second second	• Tel:	15999596593				
Skin Analysis	Using Product:	Yumeijing				
User Manual	Occupation:	Sales Present	ati∨e			
Data Input			* Must be fill in			
		Add	Save Delete			
Exit						
	Cliént Re	cord				
	A	nalyzer Number	Analyzer Data		Analyzer Re	sul t

Tips for Add Client

A) " Client Number", Gender/Sex", Client name", " Age", " TEL") are necessary items, must fill out.

B) The client number MUST be 4 or more than 4 numbers, (for example: 0001)

C) Age: scope shall 1~100

D) TEL# shall fill out more than 3 numbers.

2.2 Delete Client

In the right side of interface: database, search the client's name and pitch up by click the left button of mouse, then click " DELETE" button, the client will be deleted completely.

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2.3 Change the Client Info

In the right side interface: database, search the client name and pitch up by click the left button of mouse, then you can change the information freely, after changed, shall press "SAVE" button. See figure 3-2 above :

2.4 Search Clients

There are 4 kinds way for search :

1) Client number 2) Client name 3) Tel. 4) By eyes Choose one way in the database, and fill out the name or number etc, then click "SEARCH".

Number	O Name	OTEL	0001	Q
Client nu	mber	Client Name	Client Te	l ephone
0001		li	124680768	390
0002		Judy	159867924	66
0003		Anne	159867924	65

Figure 3-3

III-3. Operator Account Information Management

Use administrator account to enter into system (see figure3-2) click "Data Input", then go to "Operator" (see figure3-3)

3.1 Add Operator

Based on the situation to fill out " Name", " Password", confirm " Password", then click " Add".

3.2 Delete Operator

Choose the operator you want to remove, and then click " Delete".

operator		list of operators	3
	nun	nber name	
	2	admin	
name: admin			
password: ****			
password: ****			

Figure 3-4

3.3 Change Operator

Choose the operator you want to change, and then according to the situation to change the name, password and confirm password, and then press "SAVE".

3.4 Operator Authority Management

Only administrator account can add, delete and change branch operator 's authority and add and delete products and suggested treatments. (Note : Pease not change administrator's name and password, it is system defaulted administrator, we cannot change.

C	perator		list of operators	
		number	name	
		2 4	dmin	
name:	admin			
password:	****			
nassword:	****			
password.				

Figure 3-5

III-4. Product Management

Use the admin account enter into the main window, (see figure 3-2), click " Data Input" and

" Product" (see figure 3-4)

4.1 Add Products

Click "ADD" to clear the column and then fill out the product name, effective, usage and cost, and then press "SAVE".

4.2 Delete Products

Choose the one that want to remove, click " Delete" .

4.3 Change the Products

Choose the products which you want to change, then change the effect, usage, cost and press "SAVE".

NOTE : Product name CANNOT change, so when one product sold out or stopped production, it's impossible to directly change it to another product base on initial database, for example, if one day we have no No. 15 E-light treatment, then we cannot directly change No.15 to Diode Laser, we have to delete it and then click add to insert Diode Laser information.

input pr	oducts			
name: DH	C lotion		cost: 800	
effictive: Shr	ink pores and	moisture	usage:	<u>×</u>
list of p	roducts			
number	name	effictive	usage	cost
15	Elight	remove wrinkle	1 time per day	1000
16	Q10 Eye cream	remove wrinkle and moisture	2 time per day	300

III-5. Treatment Schedule Making

Use the admin account enter into system, see figure 3-2, and then use search function to find the client and pitch up, click" Data Input" to enter into Case 1, 2, 3 (See figure 3-5). In this window, you can change the initial operator name and password (you can change " admin" to what you want, can also change password 1234 to other. Also you can add operators, but please pay attention that sub-operators have no right to go to data input window. Only main operator can, which can avoid people to change product information optionally.

5.1 Add Products

Enter into suggestion(see figure 3-5), click "Add" and then the products list will come out(See figure 3-6) according to requirements to add products, choose products or delete products.

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		11		
Operator	Product Ca	se 1 Case 2	Case 3	
ase 1				
umber name	effictive	usage	cost	

Figure 3-5

First click Case1, then all the products come out (See figure 3-6), click the one you want, then it will add to Case1 (See figure 3-7)

all of prod	ucts				Exit
number	name	effictive	u	sage	cost
15	ZA	Moisturizing, Whitening, dent removin	3times/day		1000
16	Thermage Equ	wrinkle remove, spot dilute, skin rejuv	2times/week		1500
17	E-light Doctor	pigmentation spots removal, wrinkle re	1time/month		8000
			Add	Save Delete	Exit

Figure 3-6

number	name	effictive		usage	cost
9 DO	ZA Thermage Equip	Moisturizing, Whitening, dent removing m wrinkle remove, spot dilute, skin rejuve	3times/day n 2times/week		1000 1500

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5.2 Delete Products

In the product list, choose one products and then press "Delete".

5.3 Treatment Schedule Suggestions

In this software, there have 3 pre-input suggestion treatments (See Figure 3-8)

Case 1: for the good skin (after analysis, system will generate a report with evaluation of our skin state by three level (good, normal, bad) (See figure 3-9)

Case 2: for the normal skin (For example in figure 3-9, customer's skin is normal, so treatment scheme which system generates from Case2)

Case 3: for the bad skin. (If customer's skin is bad, then will generate scheme from Case3) .

cuse i					
number	name	effictive		usage	cost
99 100	ZA Thermage Equips	Moisturizing, Whitening, dent removin m wrinkle remove, spot dilute, skin rej	g 3times/day uven 2times/week		1000

RGB Spot	45%	Skin Oil		
RGB Pore	96%	Oil		
B Roughness	97%	Dry		
RGB Wrinkle	55%	Normal		
UV Acne	77%	mix		
UV spot	47%	Sensitive	91%	
UV moisture	87%	Flexibility		
Number 39 40	Name E-light Morgan	Effctive For hair removal Whitening wrinkle removal	Usage 1time/month 1time/week	Cost 999 499
Number 39 40 38	Name E-light Morgan ZA	Effctive For hair removal Whitening, wrinkle removal Moisturize	Us age 1 time/month 1 time/week 3 times/day	Cost 999 499 200
Number 39 40 38	Name E-light Morgan ZA	Effetive For hair removal Whitening, wrinkle removal Moisturize	Usage 1 time/month 1 time/week 3 times/day	Cost 999 499 200
Number 39 40 38	Name E-light Morgan ZA	Effctive For hair removal Whitening, wrinkle removal Moisturize	Usage 1time/month 1time/week 3times/day Total: 1698	Cost 999 499 200
Number 39 40 38	Name E-light Morgan ZA	Effetive For hair removal Whitening, wrinkle removal Moisturize	Usage 1 time/month 1 time/week 3 times/day Total: 1696 Delete Print	Cost 999 499 200

III-6. User Manual Management

Enter into system (See figure 3-10) press "user manual", will open the file to see. During operation, if there are any problems or questions, it will be convenient for us to find answers.

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Notice! The user manual of Magic Mirror is in the software CD. Also when we log in, there is a User Manual at left side window, if you have problems during operation, you no need exit from software, Just choose User Manual.

	*Client Number:	00001		Number	O Nane	OTEL	Q
	1			Client n	unber	Client Name	Client Telephor
	*Client Name:	dghhh		00001	dı	ghhh	234567888887
				00003	jı	udy	13456789890
() ()	Data:	2012-12-26		0001	13	i	131
				000111	cl	hen	234567890
	* Sex:	Male	×	00012	J١	udy	15986792466
and the second				00018	1	i	12345678909
	* Age :	34		00019	1	iyu	159199803497
				0002	na	an	133333333333
	* Tel:	2345678888	387	0003	12	23	1213123123213
Skin Analycic				0004	彤	é	13809098889
SKIII Analysis	Ising Product:			0005	黄	Î.	13988090237
and the second	ooms rrounder			0006	Ca	amilo	15989857045
llser Manual	Occumation:			0007	Ko	oren	14567890
ober manour	occupation.			0008	Ja	an	12324567
			* Must be fill in	0009	a	uron	2435678909
Data Input				0010	李	5先生	1234567890
		Add	Save Delete	0011	Ja	ade	1345678
				0012	T	racy	132456789
	Client Re	cord					
							1.
	Å	nalyzer Munber	Analyzer Data			Analyzer Kes	лш t

III-7. Skin Analysis & Reports

Enter into main window (see figure 3-10), press "Skin Analysis", go to shoot and analysis window,

choose the client in the right box, when camera and computer connected failed, there will have an error tip (see figure 3-11) ; If succeed, you will see the video preview in the right window. (See figure 3-12)

Note: Please not go to Skin Analysis, if the light of machine is not off. When we first turn on machine, RGB light inside machine will be lit, several minutes later, light will go out. This period is for machine and computer to recognize each other, light becomes off, means they successfully recognize, we can go to Skin Analysis to detect.

when first turn on machine , light will be lit

when light automatically off

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7.1 Shoot Image

Connected to camera successfully , ask the client to put the face into magic mirror scan area, and according to the requirements to choose photo's position (Left , Front , Right) (see figure 3-13) click shoot.

Figure 3-13

Note:

After we turn on the Magic Mirror, the light of it will be on, client can go to shoot after the light of Magic Mirror is off, and the client shall not move until 2 times flashes, then shoot finished. The image will appear on the left window. (See figure 3-14). And during shoot, customer should not move, put chin and forehead at right place, close eyes and sit still, not move and shake.

Figure 3-14

7.2 Start to Analysis

After taking photo, in RGB image to adjust the analysis area, we should avoid hair, eyebrow, eyes, nose, mouth and beard. After finish adjusting area, and then click "Precise Analysis" or "Manual Analysis" to start analysis and then provide a result to assess the quality of skin, the whole procedure need 2-3 minutes.

How to adjust Analysis Area? After picture shoot, we will see two pictures as below.

And left side picture will have green line circle with blue square you can adjust the green circle by blue square (like figure 3-7-1 to figure 3-7-2). If you want to move whole area(like figure 3-7-2 to figure 3-7-4), then click right and left together, then react to analyze area.

Figure 3-7-1

7.3 Check the Reports

After analysis finished, go to Analysis Report to see the whole report including all the problems. See figure 3-15

We can go to Precise Analysis to analyze every skin problem respectively (see Figure 3-16) and go to Manual Analysis to know the skin properties.

7.4 Details Magnify

There is a select window of " Detail Zoom Up" (See figure 3-17) which can make the image

4times clear than normal one. First choose the skin problem we want to analysis in "Precise Analysis", then back to choose Detail Zoom Up.

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Put your mouse at left side picture and move, you can see whatever area you want.

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Put mouse on this picture

Right click mouse, then picture keeps still, move mouse to A and right click mouse, green spots and red line disappear, right click again, appear again.

Move mouse to RGB photo area, in magnify window, you can see the RGB photo get zoom up, and more clear, see figure 3-16. In the left photo, single click the right mouse to lock/unlock, in magnify window, click right mouse to hide/ show the points.

7.5 Analysis Parameter Setting

Analysis Parameter can adjust base on special of requirements. Go to Skin Analysis, then choose " Precise Analysis", at the bottom, there is a "Parameter Setting" (See figure 3-17). Note : We suggest using the defaulted parameter, which is the most accurate figure.

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7.6 Manual Analysis

In manual analysis, the skin has been split in several types: oily, dry, normal (middle) and mixed. Click " Manual analysis", if the qualitative analysis has been

finished, there will come out a window to remind you "if need re-analysis again", click "NO", then the result will come out automatically. If still not start qualitative analysis, shall click "YES" to start analysis, which need 2-3 minutes.

7.7 Comparison

1) Click "Compare analysis" button, there will have a figure come out, see figure 3-18.

Figure 3-18

2) Then, in the left side, each photo have an accurate date and time, so you can know when you take the photos. And choose 2 photos: before and after.

3) Left click the RGB/UV photo to pitch up and the move the mouse to comparison area and left click again, then there will have 2 pictures fixed, lock them, press" analysis", and there will come out a compare result (see figure 3-19).

When we go to comparison, If before and after photos, one of them doesn't finish analysis, there will come out a window to warning if need analysis and then go to comparison, shall click "YES" and after finish it then go to comparison.

Notice! Comparison cannot be made between RGB photo and UV photo.

Figure 3-19

7.8 Delete Photo

During shooting, when the photo is not good, we shall delete (see figure 3-20). How to do: choose the photo, and right click ---Delete

7.9 Go to Treatment Schedule

After analysis and checking reports, then we go to treatment schedule to give clients a treatment suggestion based on their concrete situation. First go to Analysis Report, click it,

Go to the whole report. See figure 3-21, and then click Next to go to suggestion treatment to improve these problems. See Figure 3-22

In suggestion treatment, system will base on the analysis result: good, normal, bad, automatically put the pre-input products into suggestion; in the meantime, you also can delete some or added more.

Figure 3-21

RGB Spot	0%		Skin Oil		
RGB Pore	0%		Oil		
GB Roughness	0%		Dry		
RGB Wrinkle	0%		Normal		
UV Acne	0%		mix		
	200		Sanaitina	0%	
UV spot	0%		201121 (140		
UV spot UV moisture	0%	Treatment	Flexibility Scheme		
UV spot UV moisture Number	0% 0% Nane	Treatment Effctive	Scheme	Usage	Cost
UV spot UV moisture Number	0% 0%	Treatment Effotive	Scheme	Usage	Cost

Figure 3-22

IV. Equipment Maintenance

IV-1. Cleaning of the System

Keep the machine and camera system clean, when not use, shall use a cloth to cover it.

IV-2. Check the Lamp

When the RGB lamp or UV lamp get broken or failed or out of life, not working, shall check or replace a new one. Contact to the manufacture's technician for repair or instruction

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V. Cautions

V-1. Requirements of Computer System

Keep the machine and camera system clean, when not use, shall use a cloth to cover it.

IV-2. Check the Lamp

When the RGB lamp or UV lamp get broken or failed or out of life, not working, shall check or replace a new one. Contact to the manufacture' s technician for repair or instruction.

V-3. Tips for Analysis

1.Please go to analysis and shoot after the light of Magic Mirror goes out, or it will show that " cannot connect to camera".

2. Only after the light of system flashes 2times, can we move or shooting will be not successful.

3. After finish shooting, we cannot go to analysis directly, we should adjust the analysis area first, and please avoid hair, eyebrow, nose, mouse and beard.

V-4. FAQ

1. The UV image is too bright to see the problems.

Please make sure that the light of ambient environment is not strong, the darker of surrounding environment the better.

2. Equipment works but the light is not on.

There may be something wrong with the RGB light, please change the light.

3. Equipment doesn't work at all, including the fan.

There may be something wrong with switch power supply, please check the power supply.

4. The fan of equipment works but it cannot analysis.

Please check whether the line of ballast is loose.

VI. Warranty

V I-1 : Warranty Coverage

a. Boweik warrants defects in materials and workmanship for a period of 1 year from the date of original purchase.

b. Boweik will repair these products at no charge or refurnish the parts if it has any abnormal condition.

V I-2 : Exclusions

This warranty is void and invalid in case of;

- a. Damage caused by accident, abuse, misuse or misapplication, it will be repaired with repair fee
- b. Damage caused by service performed by anyone who is not technician or qualified by manufacturer.
- c. Product or part that has been modified without any permission of manufacturer.
- d. Product that has no serial number.