

ЦИФРОВОЙ ТРИПЛЕКСНЫЙ РЕГИСТРАТОР



РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ

MDR-4500

4 - канальный цифровой видеорегистратор
MPEG-4





Версия 2.1

Информация о данном руководстве

Перед тем как устанавливать и использовать данное устройство следует ознакомиться с настоящим руководством пользователя и сохранять его для дальнейшего использования.



	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		



()



“ ”

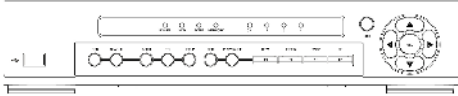



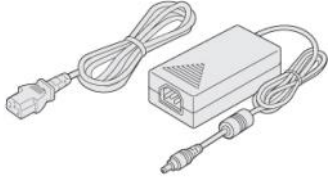
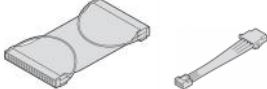
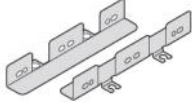

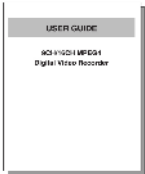
(110 220).



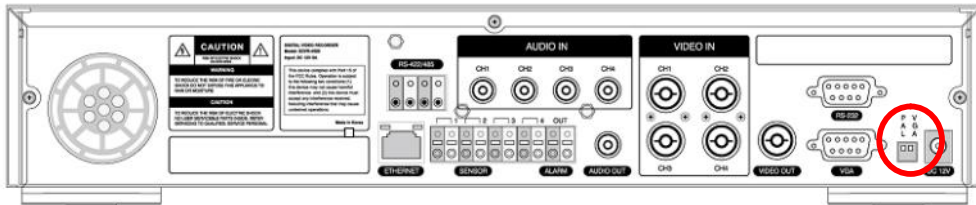
(DVR)





DVR

DVR

(DVR)	
CD ()	
	
1.5 (AAA x 2EA)	
	
IDE HDD	
HDD	
HDD	
	

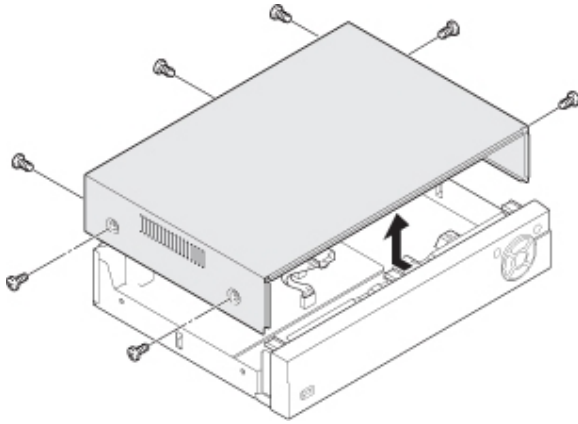
/



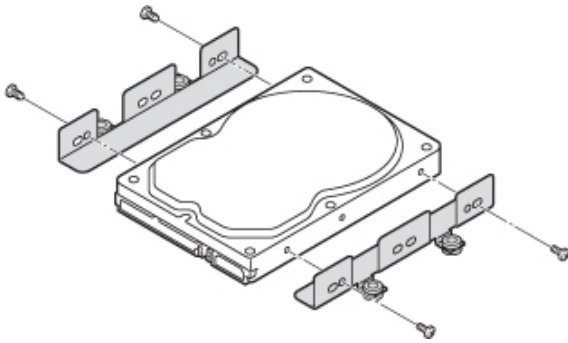
	NTSC	PAL	BNC	VGA
P V A L A 	O	X	O	X
P V A G L A 	X	O	O	X
P V A L A 	O	X	X	O
P V A G L A 	X	O	X	O

DVR

1.

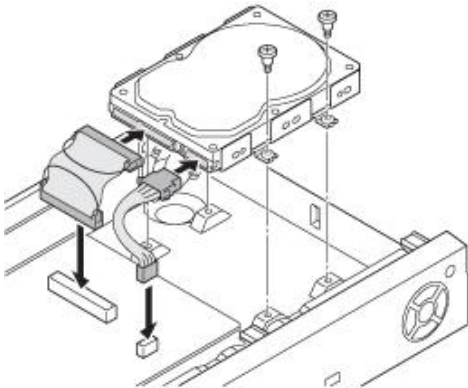


2.



3.

IDE HDD 80-



4.

1 =










HDD

	HDS728080PLAT20	80 GB	7200 RPM	2 M	E-IDE
	HDS721680PLAT80	82 GB	7200 RPM	8 M	E-IDE
	HDT722516DLAT80	160 GB	7200 RPM	8 M	E-IDE
	HDT722516DLAT80	164 GB	7200 RPM	8 M	E-IDE
HITACHI	HDS722525VLAT80	250 GB	7200 RPM	8 M	E-IDE
	HDT722525DLAT80	250 GB	7200 RPM	8 M	E-IDE
	HDT725025VLAT80	250 GB	7200 RPM	8 M	E-IDE
	HDT725032VLAT80	320 GB	7200 RPM	8 M	E-IDE
	HDS725050KLAT80	500 GB	7200 RPM	8 M	E-IDE
MAXTOR	6L300R0	300 GB	7200 RPM	16 M	E-IDE
	SP0822N	80 GB	7200 RPM	2 M	E-IDE
SAMSUNG	SP1604N	160 GB	7200 RPM	2 M	E-IDE
	WD1600BB-22GUA0	160 GB	7200 RPM	2 M	E-IDE
	WD2000BB-00GUA0	200 GB	7200 RPM	8 M	E-IDE
WESTERN DIGITAL	WD2500BB-00KEA0	250 GB	7200 RPM	8 M	E-IDE
	WD3200JB-00KFA0	320 GB	7200 RPM	8 M	E-IDE
	WD5000AAKB	500 GB	7200 RPM	16 M	E-IDE
	ST3400-15ACE	40 GB	7200 RPM	2 M	E-IDE
	ST3800-12ACE	80 GB	7200 RPM	2 M	E-IDE
	ST31200-25ACE	120 GB	7200 RPM	2 M	E-IDE
	ST31600-22ACE	160 GB	7200 RPM	2 M	E-IDE
	ST3300820ACE	300 GB	7200 RPM	8 M	E-IDE
SEAGATE	ST3300831ACE	300 GB	7200 RPM	8 M	E-IDE
	ST3400832ACE	400 GB	7200 RPM	8 M	E-IDE
	ST3400820ACE	400 GB	7200 RPM	8 M	E-IDE
	ST3500641A	500 GB	7200 RPM	16 M	E-IDE
	ST3750840ACE	750 GB	7200 RPM	8 M	E-IDE
	ST3750640A	750 GB	7200 RPM	16 M	E-IDE

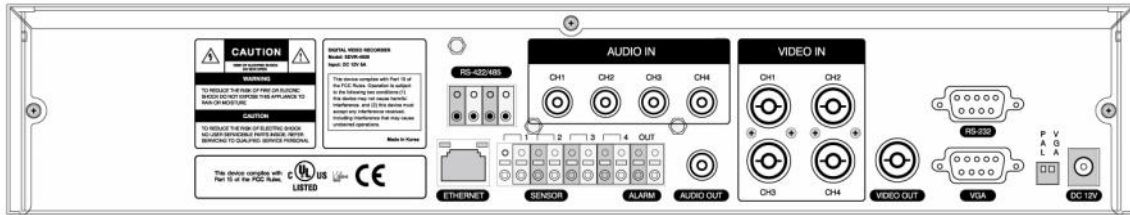
1.	.....	12
2.	.....	14
3.	DVR	16
3-1.	-	17
3-2.	-	18
3-3.	-	19
3-3-1.	.....	20
3-3-2.	.....	21
3-4.	.....	22
3-5.	.....	24
3-5-1.	.....	25
3-5-2.	.....	26
3-5-2-1.	.....	26
3-5-2-2. DHCP.....	.....	26
3-5-2-3. ADSL (PPPOE).....	.....	27
3-6.	.....	28
4.	.....	30
4-1.	.....	30
4-2.	.....	31
4-2-1.	.....	32
4-2-2.	.....	33
4-2-3.	.....	34
4-2-4.	.....	34
4-2-5.	.....	34
4-2-6.	.....	34
4-2-7.	.....	35

4-3.	.....	36
4-4. PTZ-	.....	37
5.	.....	38
5-1.	-	38
5-2.	- USB-	39
5-3.	.....	40
6.	-	41
6-1.	.....	41
6-2.	.....	42
6-3.	.....	42
6-4.	.....	43
6-5.	.....	44
6-5-1.	.....	46
6-6.	.....	46
6-6-1.	.....	46
9-6-2.	.....	47
9-6-3.	.....	47
9-6-4.	.....	48
9-6-5.	.....	48
7.	- -	49
7-1.	-	49
7-2.	.....	50
7-2-1.	.....	50
7-2-2.	.....	51

	.....	52
1.	DDNS (.....)	52
1-1.	.....	52
1-2.	- DVR	52
1-3.	DDNS	53
2.	.....	55

	1	1
	2	2
	3	3
	4	4
		
PLAY/PAUSE		
 REW		1x, 2x 4x
 F/REW	/ - 60	
F/ADV 	/ - 60	
FF 	4x	1 x, 2x
USB port	USB (USB 2.0).	USB. USB

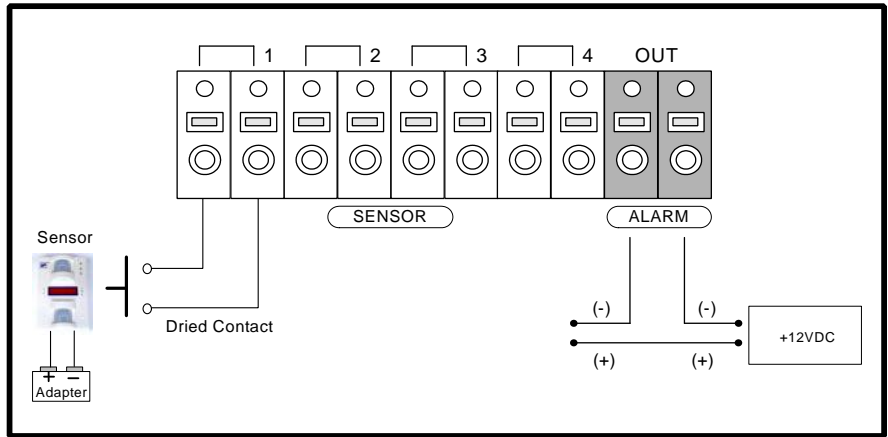
2.



. 2.1.

2.1.

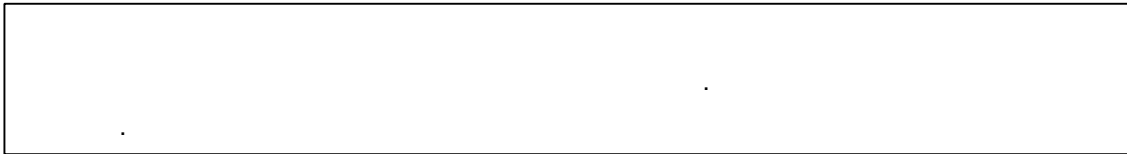
VIDEO IN	(NTSC/PAL)
VIDEO OUT	NTSC PAL
AUDIO IN	4
AUDIO OUT	1
VGA	VGA
RS-232	
RS-485/422	
SENSOR IN	3, 4, ; 1, 2, 3, 4 4 1, 2, (NO), (NC)
ALARM OUT	1A/30 / 0.5A/125V,
LAN	RJ45 LAN -
DC12V	12 (12V DC)
SWITCHES	
PAL	ON, PAL
VGA	ON VGA.



. 2.3.

/

: (- , , NC
) . ()
 () NO ()



:

30 /300

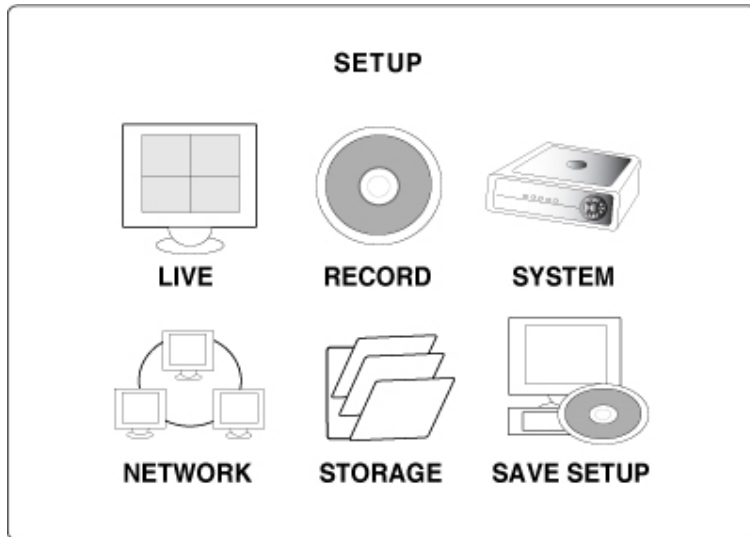
(), "Open" lose ().

3. DVR

DVR.

3-1.

SETUP 1111,
() SEL.



. 3.1.1.

SETUP	LIVE	OSD	
		SEQUENCE	
		SEQ-DWEL TIME	
		EVENT BEEP	
		OSD CONTRAST	
		CHANNEL	DISPLAY, SEQ LIST, BRIGHTNESS, CONTRAST, HUE, SATURATION
		VGA SCREEN MODE	
		ERROR ALARM	
	RECORD	RESOLUTION	
		CHANNEL	Frame rate, Quality, Recoding, Motion zone, Motion sensitivity, Sensor type, Pre-Record, Post-Event Record, Alarm, Alarm Duration, Audio, Schedule
	SYSTEM	DVR ID	
		DESCRIPTION	
		LOAD DEFAULT	
		ADMIN PASSWORD	
		NETWORK PASSWORD	
		DATE FORMAT	
		SET DATE & TIME	
		LANGUAGE	
		REMOTE CONTROLLER ID	
		DLS	
	NETWORK	PORT	
		CLIENT ACCESS	
		BANDWIDTH SAVING	
		NETWORK TYPE	
		DDNS	
		SEND E-MAIL	
	STORAGE	OVERWRITE	
		FORMAT	
		USB UPGRADE	
		SAVE SETUP TO A USB	
		LOAD SETUP FROM A USB	
		VIDEO DELETE	
		DELETE VIDEO AFTER	

3.1.1.

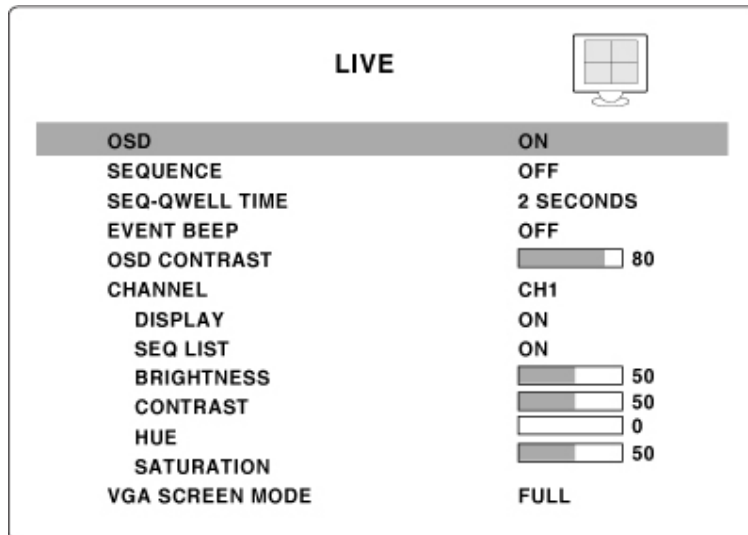
3-2.

-

3.2.1.

LIVE

OSD	/
SEQUENCE	/
SEQ-DWELL TIME	
EVENT BEEP	/
OSD CONTRAST	(OSD)
CHANNEL	
DISPLAY	/ « »
SEQ LIST	/
BRIGHTNESS	
CONTRAST	
HUE	
SATURATION	
VGA SCREEN MODE	VGA.
ERROR ALARM	/ HDD.



. 3.2.1.

3-3.

3.3.1.

RESOLUTION	704x480(NTSC)/704X576(PAL) 352x240(NTSC)/352X288(PAL).
CHANNEL	
FRAME RATE	NTSC 120/100 / 352x240(NTSC)/352X288(PAL) 30/25 / 704x480(NTSC)/704X576(PAL)
QUALITY	
RECORDING	
MOTION ZONE	3.3.2.
MOTION SENSITIVITY	1 9.
SENSOR TYPE	: none (), N/O (), and N/C ().
PRE RECORD	/ 5
POST EVENT RECORD	
ALARM	/
ALARM DURATION	
AUDIO	/
SCHEDULE	3.3.3.

RECORD	
RESOLUTION	352X240
CHANNEL	CH1
FRAME RATE	1 FPS
QUALITY	HIGH
RECORDING	CONTINUOUS
MOTION ZONE	FULL ZONE
MOTION SENSITIVITY	7
SENSOR TYPE	---
PRE RECORD	ON
POST EVENT RECORD	5 SECONDS
ALARM	OFF
ALARM DURATION	5 SECONDS
AUDIO	OFF
SCHEDULE	

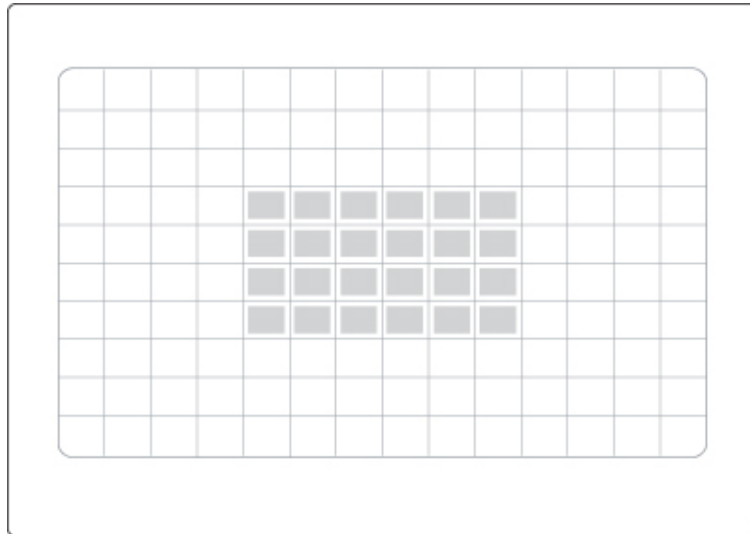
Figure 3.3.1.

3-3-1.

3.3.2.

4

SEL



3.3.2.

3-3-2.

SCHEDULE RECORD

[ALL]:

SEL.

[SUN to SAT]:

SEL.

[Vertical Bar " | "]:

" | "

SEL.

" | "

[- Individual Block of Time]:

[SEL]:

SEL..


[COPY FROM to COPY TO]:

SCHEDULE-CH1									
COPY FROM									
COPY TO	0	3	6	9	12	15	18	21	24
ALL	|	|	|	|	|	|	|	|	|
SUN	-	-	-	-	-	-	-	-	-
MON	-	-	-	-	-	-	-	-	-
TUE	-	-	-	-	-	-	-	-	-
WED	-	-	-	-	-	-	-	-	-
THU	-	-	-	-	-	-	-	-	-
FRI	-	-	-	-	-	-	-	-	-
SAT	-	-	-	-	-	-	-	-	-

. 3.3.3.

3-4.

3.4.1.

DVR ID	SEL LEFT RIGHT. UP DOWN
DESCRIPTION	SEL
LOAD DEFAULT	OFF ON. ON SEL
ADMIN PASSWORD	DVR DVR. (1, 2, 3, 4) : 1111.
NETWORK PASSWORD	DVR DVR (1,2,3,4) : 1111.
DATE FORMAT	
SET DATE & TIME	DLS
PTZ CONTROL	ID
LANGUAGE	
REMOTE CONTROLLER ID	ID 1. ID 1 9. 2. ID DVR, 3.  Live DVR,
DLS	ON OFF DLS () LEFT RIGHT. ON BEGIN (MM/DD/HH) SELECT DLS. END (MM/DD/HH) DLS UP DOWN. : -DLS 23:00 -DLS BEGIN END.

SYSTEM	
DVR ID	DVR
DESCRIPTION	
LOAD DEFAULT	
ADMIN PASSWORD	
DATE FORMAT	
SET DATE&TIME	YYYY/MM/DD
PTZ CONTROL	
LANGUAGE	ENGLISH
REMOTE CONTROLLER ID	0
DLS	ON
BEGIN	2/1 OH
END	9/1 OH

. 3.4.1.

DVR ID
DVR _____

. 3.4.2.

ID DVR

DESCRIPTION	
VERSION	0.9.13(060126)
QUALITY	76288 MB
RECORDING	0. 0. 0. 0
MOTION ZONE	00.02.89.00.3EA8

. 3.4.3.

DVR

DATE & TIME	
2006/03/13	17:46:20

. 3.4.4.

PTZ CONTROL	
CAMREA SPEED	19200 14400 9600 4800 2400
CAMREA NUMBER	1 2 3 4
CAMERA TYPE	----
CAMERA ID	0

. 3.4.5.

PTZ-

3-5.

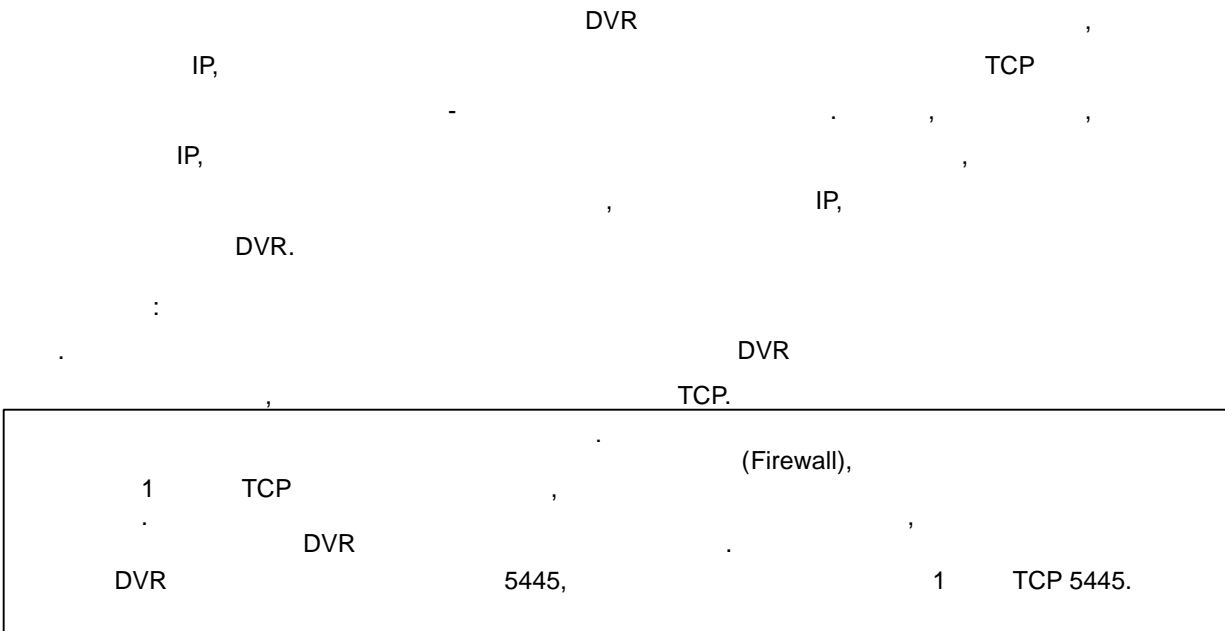
3.5.1.

PORT	(: 5445)
CLIENT ACCESS	/
BANDWIDTH SAVING	/ "ON" "OFF".
NETWORK TYPE	LAN, DHCP, ADSL
DHCP	HDCP (HDCP DVR IP).
ADSL (PPPoE)	ID: ID ADSL. : ADSL.
LAN	IP: IP- , DVR. Gateway: , DVR. Subnet Mask: , DVR.
DDNS	/ . DDNS. "ON" DDNS . DDNS <u>ns.standalone4ch.com.</u> : DDNS. MAC DVR Setup>System>Description. DVR DDNS. DDNS. MAC- DVR DDNS

NETWORK	
PORT	5445
CLIENT ACCESS	ON
BANDWIDTH SAVING	ON
NETWORK TYPE	LAN
IP	172. 16. 1. 52
GATEWAY	O.O. O. O.
SUBNET MASK	255. 255. 0. 0
DNS SERVER IP	172. 16. 1. 220
DDNS	OFF
SEND E-MAIL	OFF

. 3.5.1.

3-5-1.



3-5-2.

3-5-2-1.

1. IP
2. DVR , IP- , ADSL,
IP DVR , IP-
3. IP- , "DMZ" , DMZ, "IP" ADSL "Gateway".
DNS address
IP.

NETWORK	
PORT	5445
CLIENT ACCESS	ON
BANDWIDTH SAVING	ON
NETWORK TYPE	LAN
IP	172. 16. 1. 52
GATEWAY	0.0. 0. 0.
SUBNET MASK	255. 255. 0. 0
DNS SERVER IP	172. 16. 1. 220
DDNS	OFF
SEND E-MAIL	OFF

. 3.5.2.

3.5.2.

IP	IP- DVR
GATEWAY	IP-
SUBNET MASK	LAN
DNS	DNS

3-5-2-2. DHCP

IP- DHCP, IP-
ADSL IP- , IP-
IP-

NETWORK	
PORT	5445
CLIENT ACCESS	ON
BANDWIDTH SAVING	ON
NETWORK TYPE	DHCP
DDNS	ON
DDNS SERVER NAME	NS.STAND
SEND E-MAIL	OFF

. 3.5.3.

- DHCP

3-5-2-3. ADSL (PPPOE)

ADSL (PPPoE) PPPoE DVR

ADSL IP VDSL DVR ,

IP,

DHCP

NETWORK	
PORT	5445
CLIENT ACCESS	ON
BANDWIDTH SAVING	ON
NETWORK TYPE	ADSL
ID	
PASSWORD	
DDNS	ON
DDNS SERVER NAME	NS.STAND...
SEND E-MAIL	OFF

. 3.5.4.

- ADSL

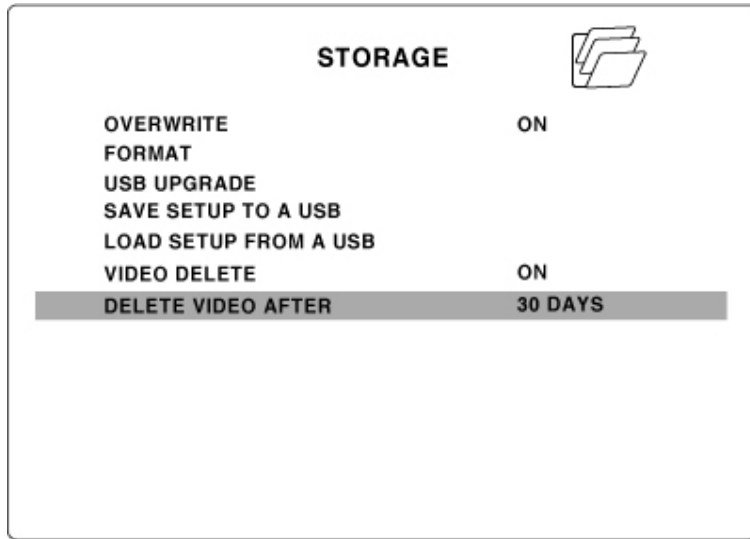
3.5.3. ADSL

ID	ID ADSL-
PASSWORD	ADSL-

3-6.

3.6.1.

OVERWRITE	.
FORMAT	.
USB UPGRADE	<p>DVR USB.</p> <p>USB. USB</p> <p>"app.bin"</p> <p>("upgrade".)</p> <p>USB</p> <p>1. USB USB.</p> <p>2. STORAGE>USB UPGRADE.</p> <p>3. CONFIRM</p> <p>4. DVR</p>
SAVE SETUP TO A USB	<p>DVR</p> <p>USB. USB USB</p> <p>SEL</p>
LOAD SETUP FROM A USB	<p>DVR DVR</p> <p>USB.</p> <p>USB USB</p> <p>SEL DVR</p>
VIDEO DELETE	./
DELETE VIDEO AFTER	(1 60).



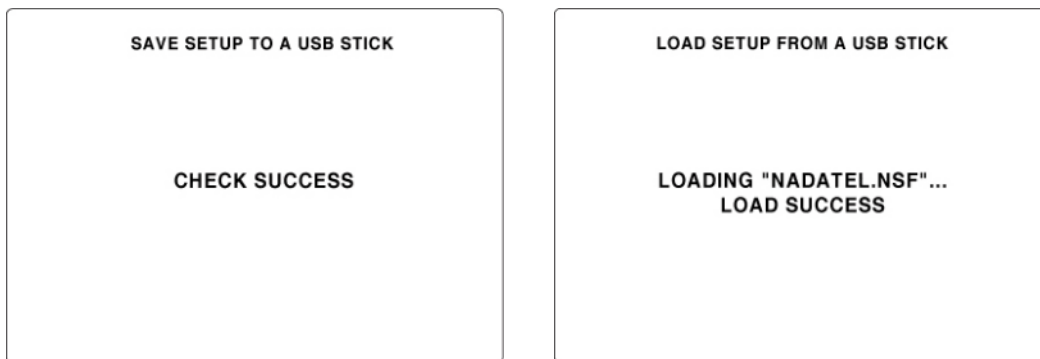
. 3.6.1.



. 3.6.2.

-

USB



. 3.6.3.

-

USB

USB


4.

4-1.

4.1.1.













DVR,

4.1.1

CH1		C	S	CH2	
CH3		M	C	CH4	
2007/05/05 15:30:30					

4.1.1.

4.1.1.

	
	
	
	
	
	()
	
	DVR.
	
	HDD
	HDD
	

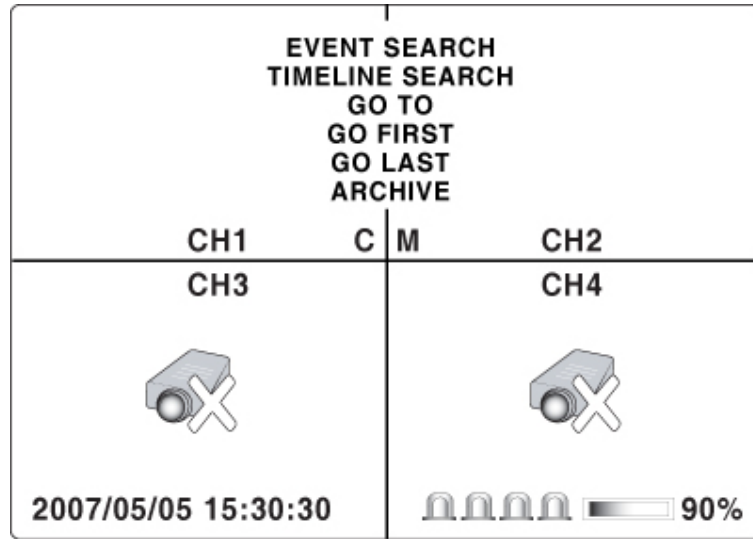
4.1.2.

4-2.

SEARCH

Search DVR , . 4-2-1.

7 TIMELINE (), EVENT (), GO TO FIRST TIME (), GO TO LAST TIME (), GO TO SPECIFIC TIME (), LOG () ARCHIVE ().



. 4.2.1.

4-2-1.

: DATE (), CHANNEL () TYPE (). SEL UP () ESC

1. LEFT (), RIGHT (), UP () DOWN ()
2. SEL CHANNEL ().
3. LEFT RIGHT ALL ()
4. SEL TYPE ().
5. LEFT RIGHT : ALL (), MOTION (), SENSOR (), MANUAL () CONTINUOUS ().
6. SEL

7. UP DOWN
8. LEFT RIGHT
9. SEL
10. BACKUP ()

SEARCH													
2006 / 02													
1 2 3 4													
5	6	7	8	9	10	11							
12	13	14	15	16	17	18							
19	20	21	22	23	24	25							
26	27	28	29	30	31								
CHANNEL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TYPE	A	M	S	R	C								

LIST	
2006/12/12	(1/2)
<15:05:24>	CH1:MANUAL
<15:05:27>	CH2:MANUAL
<15:05:28>	CH3:MANUAL
<15:06:28>	CH4:MANUAL
<15:07:28>	CH1:CONTINUOUS
<15:07:38>	CH2:CONTINUOUS
<15:08:38>	CH3:CONTINUOUS
<15:18:38>	CH4:CONTINUOUS
<16:05:24>	CH1:MANUAL
<16:05:27>	CH2:MANUAL
<16:05:28>	CH3:MANUAL
<16:06:28>	CH4:MANUAL

. 4.2.2.

4-2-2.

TIME-LINE ()

1. LEFT, RIGHT, UP

DOWN .

2. SEL

3. LEFT / F/ADV RIGHT/ F/REW

(24).

:

C: -

M: -

S: -

R: -

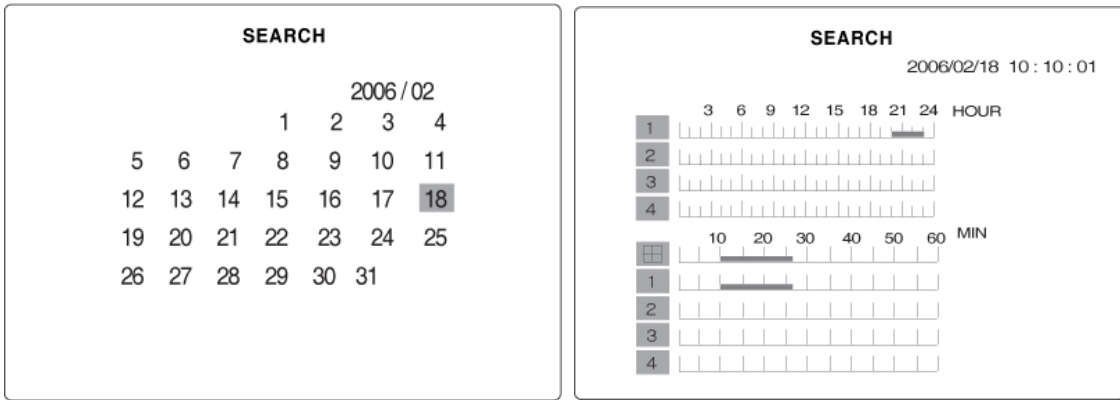
1. SEL (60

2. All UP

3. DOWN. LEFT / F/ADV RIGHT/ F/REW

()

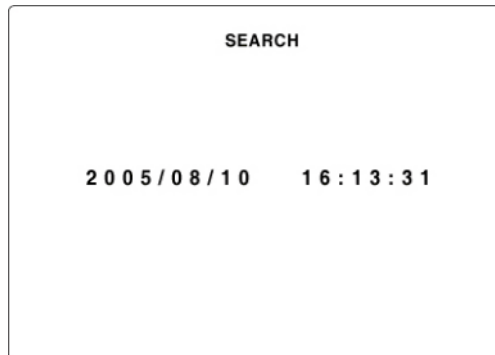
4. SEL



. 4.2.4.

4-2-3.

RIGHT , LEFT
UP DOWN



. 4.2.5.

4-2-4.

, HDD ,

4-2-5.

, HDD ,

4-2-6.

,

CH1 C	LIST
2006/12/12	(1/2)
<15:05:24>	SYSTEM START
<15:05:27>	ENTER SETUP
<15:05:28>	EXIT SETUP
<15:06:28>	ENTER SETUP
<15:07:28>	SYSTEM START
<15:07:38>	SYSTEM START
<15:08:38>	ENTER SETUP
<15:18:38>	EXIT SETUP
<16:05:24>	ENTER SETUP
<16:05:27>	SYSTEM START
<16:05:28>	ENTER SETUP
<16:06:28>	SYSTEM START

. 4.2.6.

4-2-7.

ARCHIVE SEARCH ()

1. LEFT RIGHT.
2. SEL
3. UP DOWN
4. SEL
5. ARCH USB -

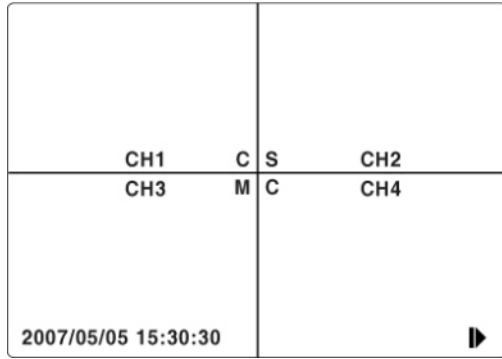
ARCHIVE						
2006/02						
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

CH1 C	LIST
2006/12/12	(1/2)
<15:05:24>	LIVE JPEG

. 4.2.7.

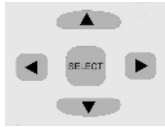
4-3.

PLAY, SEARCH LIST, SEARCH PLAY, ESC.



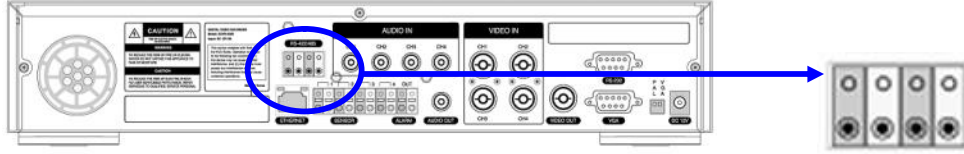
4.4.1.

4.4.1.

ESC	
◀ REW	Press to rewind the footage at 1x, 2x, and 4x speeds. Reverse playback speed is shown as -1x (normal), -2x (2 times normal), and -4x (4 times normal) at the bottom right of the screen. 1x, 2x 4x. 1x () ; 2x (2) 4x (4)
◀◀ F/REW	/ 60
PLAY/PAUSE	
F/ADV ▶▶	/ 60
FF ▶▶	1x, 2x 4x. +1x, +2x +4x , 4
	: :1 ,, :2 ,, :3 . :4 . : : NO. 1, : NO. 2, : NO. 3 : NO. 4 .
ARCH	ARCH HDD.

4-4. PTZ-

1. RS-485 PTZ RS-485



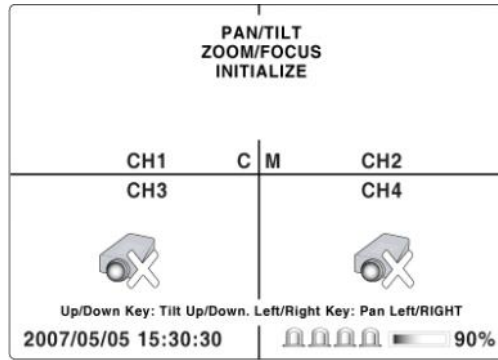
NO.	Rs-422	RS-485
1	TX+ (+)	+
2	TX- (-)	-
3	RX+ (+)	
4	RX- (-)	

2. PTZ- CAMERA SPEED (), CAMERA NUMBER (), CAMERA TYPE () ID.

PTZ CONTROL

CAMREA SPEED	19200 14400 9600 4800 2400
CAMREA NUMBER	1 2 3 4
CAMERA TYPE	----
CAMERA ID	0

3. PTZ UP () DOWN () LEFT () RIGHT ().



. 4.4.1. PTZ -

4.4.1. PTZ

PAN / TILT	UP DOWN TILT() LEFT RIGHT PAN ()
ZOOM / FOCUS	UP DOWN ZOOM () LEFT RIGHT FOCUS ()
INITIALIZE	PTZ-

5.

USB

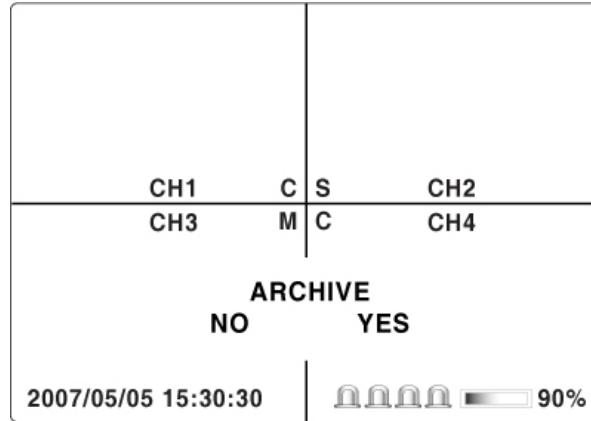
5-1.

1.

ARCH

ARCH

. 5.1.1.



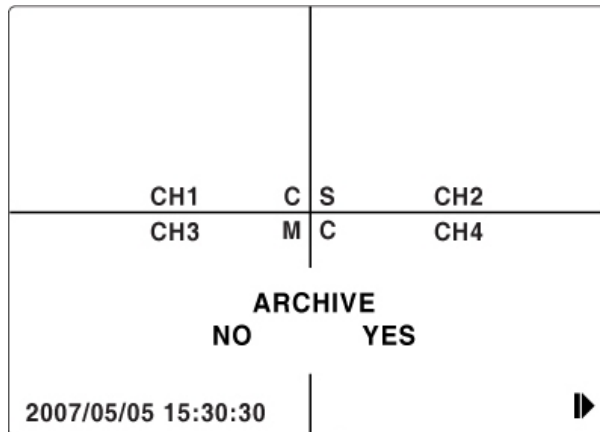
. 5.1.1.

2.

DVR

HDD.

ARCHIVE.



. 5.1.2.

5-2.

USB -

1.

USB-

2.

SEARCH

ARCHIVE,

ARCHIVE										
2006 / 02										
			1	2	3	4				
5	6	7	8	9	10	11				
12	13	14	15	16	17	18				
19	20	21	22	23	24	25				
26	27	28	29	30	31					

CH1 C	LIST
2006/12/12	(1/2)
<15:05:24>	LIVE JPEG
<15:05:25>	CH3 AVI 10SEC

. 5.2.1.

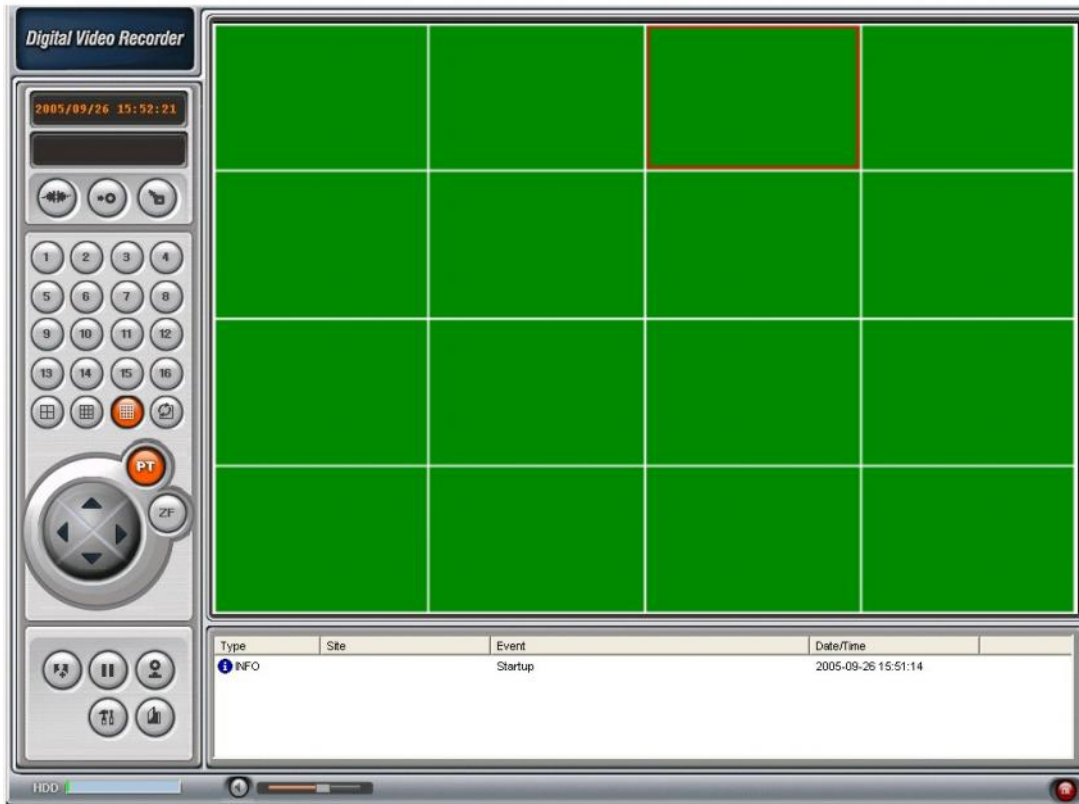
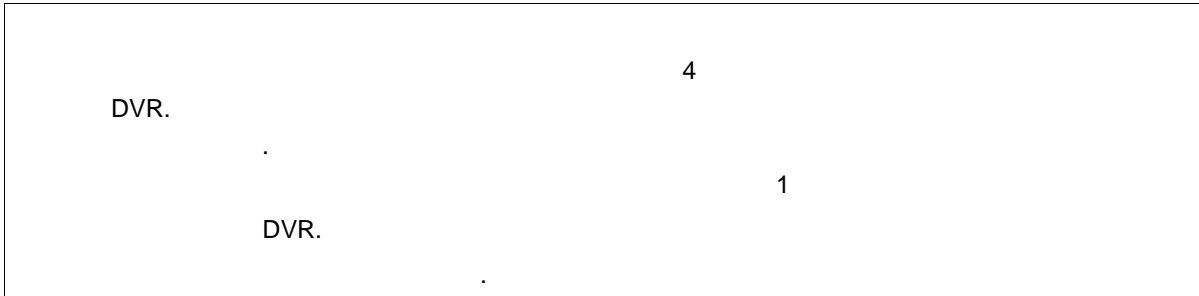
- 3. SEL
- 4.
- UP DOWN.
- 5. ARCH USB
- 6. USB- USB-

5-3.

USB
'ffdshow',
CD

6. —

DVR



. 6.1.

6-1.

Windows ,
Ethernet.

6-2.

	Intel Pentium 3	Intel Pentium 4
	500 M	2
	128	256
VGA	16	64
	1024x768	1024x768
	10	10
	Windows 2000	Windows 2000, Professional, XP, Vista
	10/100Base T	10/100Base T
	Direct X 8.1	Direct X 9.0

DVR

6-3.

1.

CD

CD-ROM



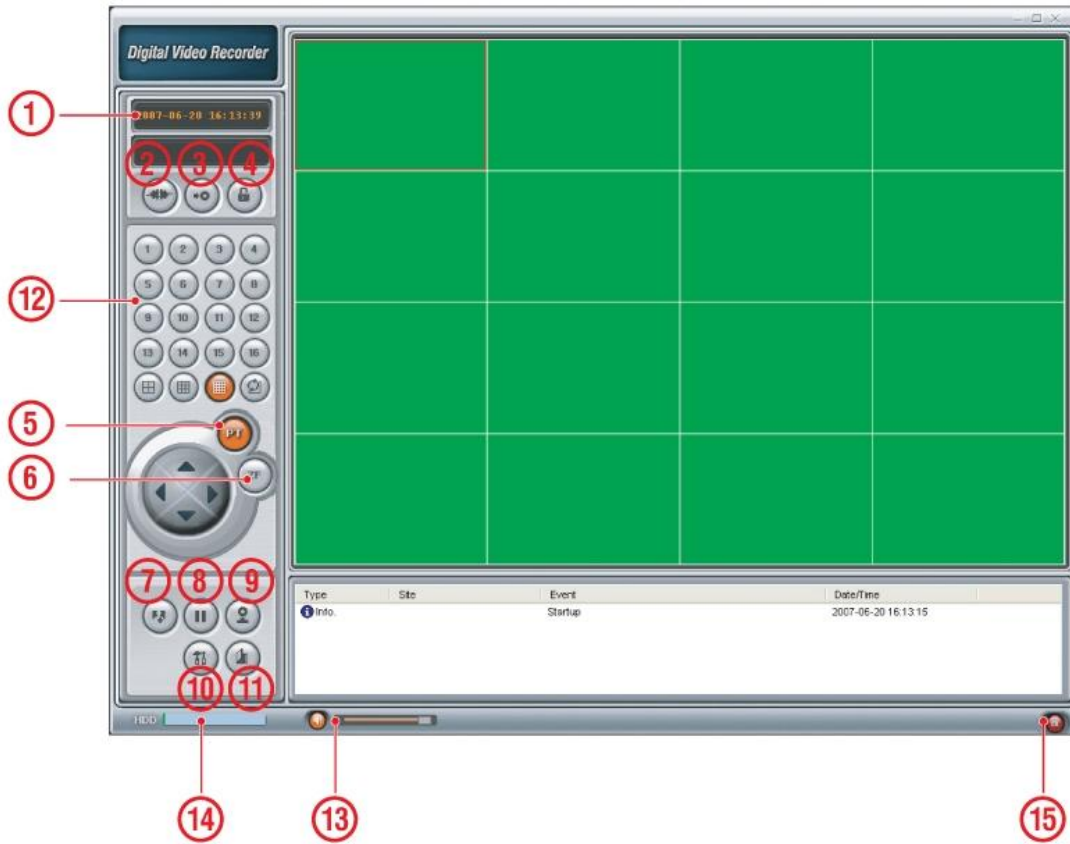
2.

3.



4.

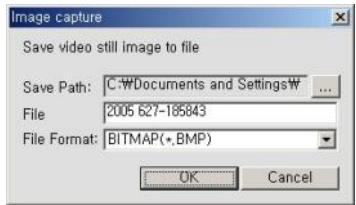
6-4.



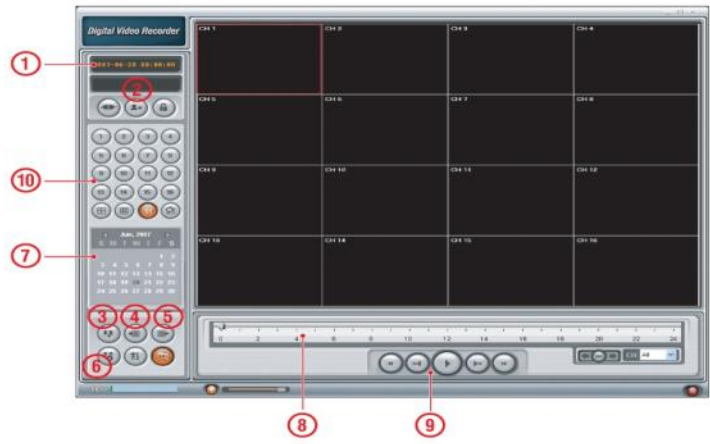
. 6.4.1.

6.4.1.

NO		
1	DATE & TIME	
2	CONNECT	DVR
3	SEARCH	
4	LOCK/ UNLOCK	/

5	PAN/TILT	() / TILT ()	PAN
6	ZOOM/ FOCUS	() / FOCUS ()	ZOOM
7	CAPTURE	<p>jpeg bmp.</p> 	
8	PLAY/PAUSE	/	
9	RECORD		
10	SETUP		
11	EXIT		
12	DISPLAY MODE		
13	AUDIO		
14	HDD USAGE	HDD DVR.	
15	ALARM	DVR.	5

6-5.



. 6.5.1.

6.5.1.

No		
1	DATE & TIME	
2	LIVE	
3	CAPTURE	jpeg bmp.
4	MARK IN	jpeg bmp.
5	MARK OUT	
6	BACKUP	AVI.
7	SEARCH CALENDAR	
8	TIMELINE BAR	

6-5-1.

AVI

1.

MARK IN



2.

MARK OUT



3.



AVI Backup

Start time	8:12:22 AM	Stop time	8:23:40 AM
File path	c:\Storage\Backup		
Channel	1		

OK Cancel

OK.

6-6.

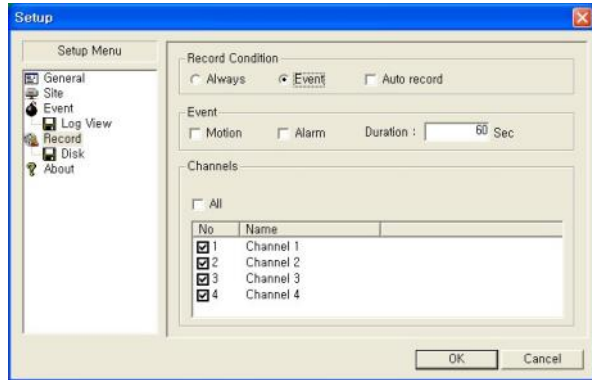
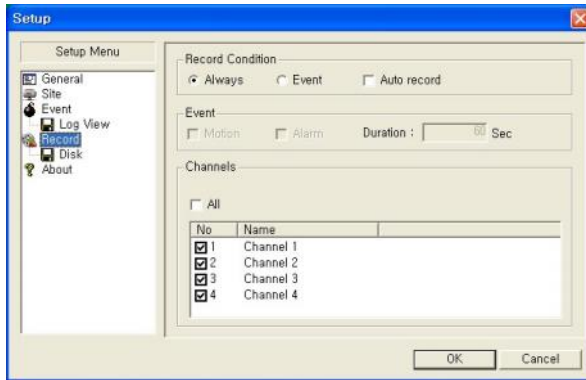


6-6-1.

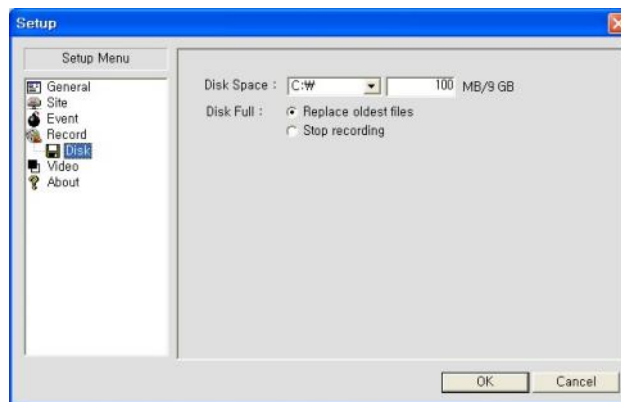
IP-

9-6-4.

: Always (), Event () Auto () .



9-6-5.



7. -

DVR

7-1. -

1.

<http://ns.standalone4ch.com/webview2/>

“YES”



2.

3.



IP- (

DDNS),



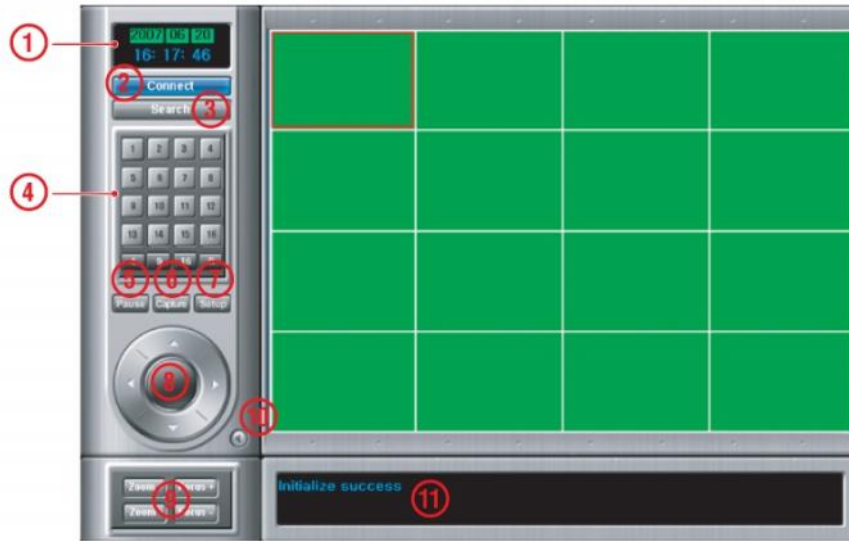
4.

DVR.



7-2.

7-2-1.



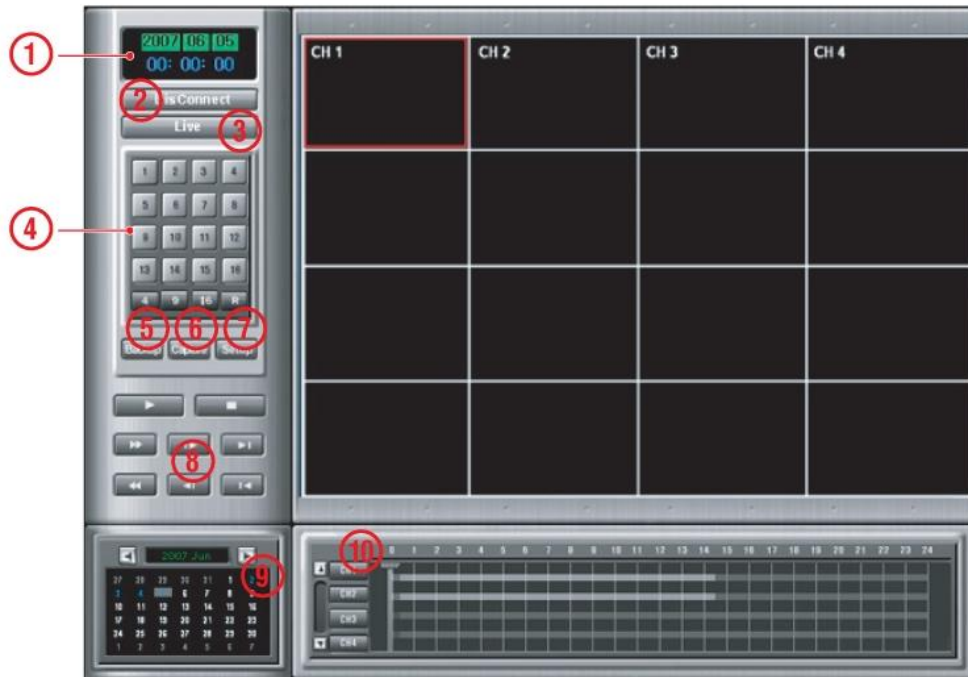
. 7.2.1.

-

7.2.1.

No		
1	DATE & TIME	.
2	CONNECT	DVR
3	SEARCH	.
4	LIVE DISPLAY MODE	.
5	PAUSE	.
6	CAPTURE	-
7	SETUP	DVR.
8	PAN/TILT	C PAN () / TILT ()
9	ZOOM/FOCUS	C ZOOM () / FOCUS ()
10	AUDIO	.
11	CONNECTION STATUS	.

7-2-2.



7.2.2.

-


7.2.2.

-

No		
1	DATE & TIME	
2	Connect/Disconnect	DVR
3	LIVE	
4	DISPLAY MODE	
5	BACKUP	
6	CAPTURE	
7	SETUP	DVR.
8	PLAYBACK BUTTONS	C PAN () / TILT ()
9	SEARCH CALENDAR	C ZOOM () / FOCUS ()
10	Timeline Search Window	

1. DDNS ()
 DVR IP- ,
 IP- ,
 DDNS. DVR

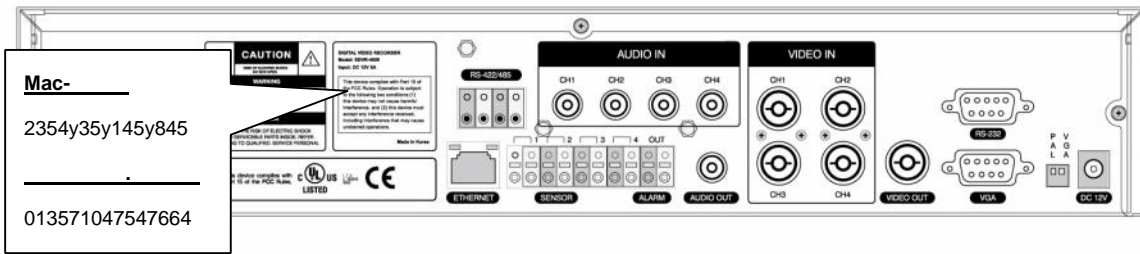
1-1.
 A. SETUP>NETWORK. , DHCP, ADSL LAN.

NETWORK 	
PORT	5445
CLIENT ACCESS	ON
BANDWIDTH SAVING	ON
NETWORK TYPE	LAN
IP	172. 16. 1. 52
GATEWAY	0.0. 0. 0.
SUBNET MASK	255. 255. 0. 0
DNS SERVER IP	172. 16. 1. 220
DDNS	OFF
SEND E-MAIL	OFF

B. DDNS ON ().
 DHCP: , DVR
 IP- , IP- DHCP.
 LAN: , DVR
 IP- , IP-
 ADSL (PPPoE): ADSL (PPPoE) , DVR
 PPPoE.
 ADSL IP- , VDSL, DVR
 IP,
 DHCP LAN.

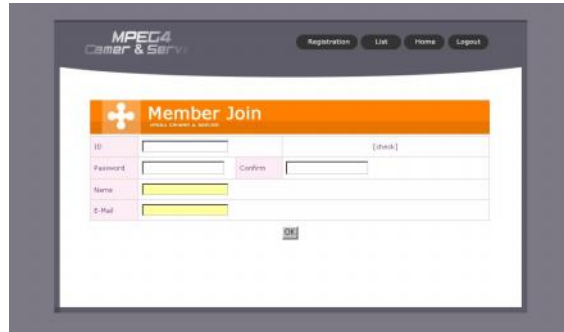
C. (DNS/DNS SERVER NAME) "ns.standalone4ch.com".

1-2. Mac- DVR
 Mac- ()



1-3. DDNS.

A. <http://standalone4ch.com>



ID (4 12 ,)
 ID "[check]", ID.
 (4 12 ,)
 (Password). (Name) E-Mail. DDNS

B. Registration DVR,



MAC- , DVR.
 Domain Name [check] ,



ID DDNS – “Domain name”.

[A~Z], [a~z], [0~9] [-],

C. List



⊗ elapsed time since last update

- Less than 5 minutes
- ▲ 5 to 20 minutes
- More than 20 minutes
- ✕ No update history

●	, , 5
▲	, , 5 20
●	, , 20
✕	

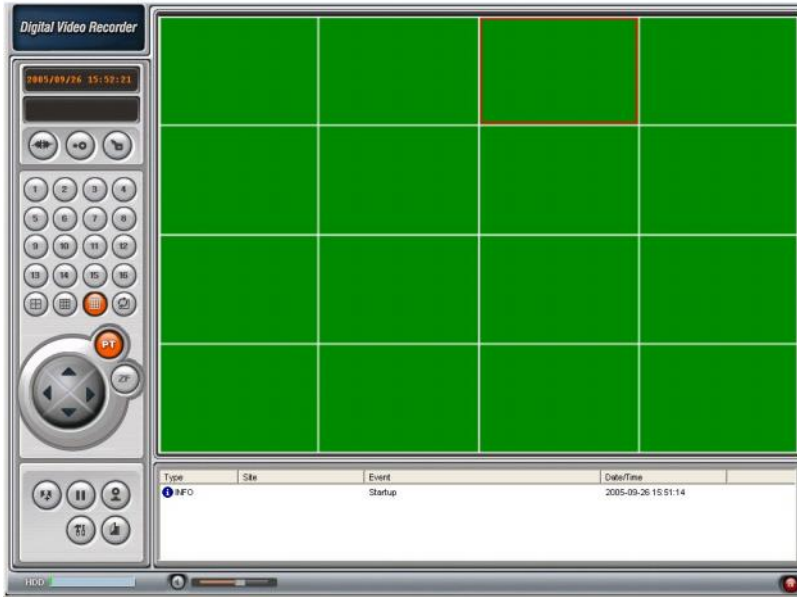
2.

DDNS

DVR

A.

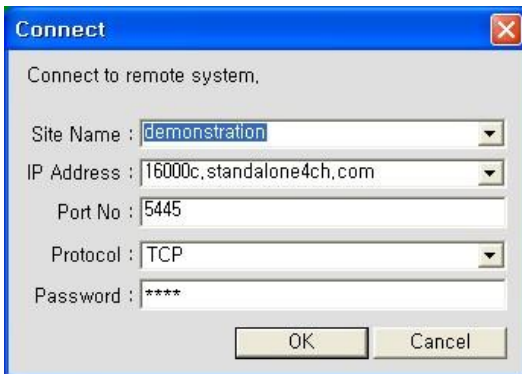
“connect”.



B.

IP-

“IP Address”.



C.

D. OK,

DVR.