

SyncMaster 2333HD

LCD Monitor



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가

가



(DPM)

PC

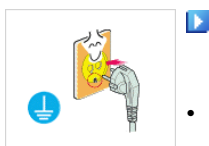
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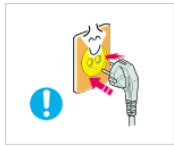


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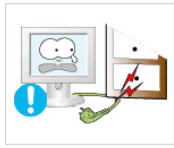
)

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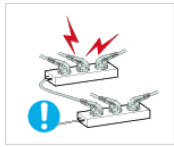
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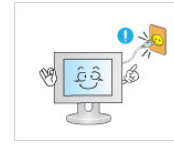
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†

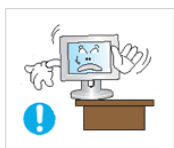
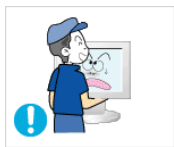
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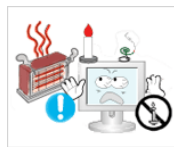
†

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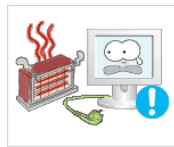
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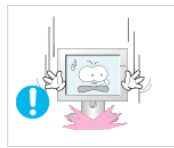
▶ , , 가



▶ 가



▶



▶



▶ 가



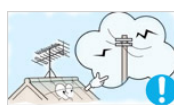
▶ 가



▶ (10 cm)



▶ 가 TV 가



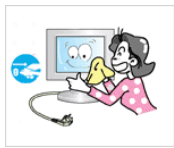
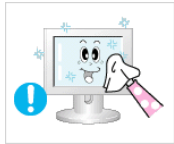
▶ 가 가



▶ 가 가



▶ 가 가



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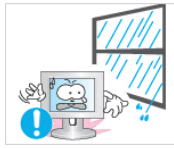
1:10

가

가



- ▶ , , 가
- , 가



- ▶ , (), , 가 ()
- ,



- ▶ 가
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- ▶ , 가
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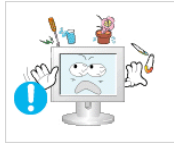
- ▶ , 가
- ,



- ▶ ,
- , 가



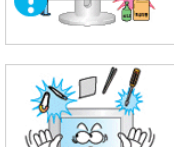
- ▶ 가
-



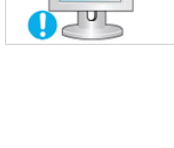
- ▶ , , , , 가
-



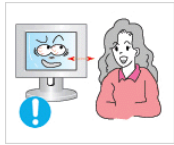
- ▶ 가 , 가
- ,



- ▶ (,) 가 , ,
- , ,



- ▶
- ,



가



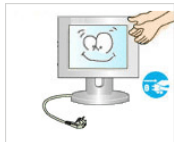
1

5

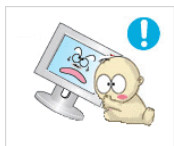
가



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가



가

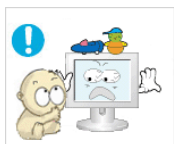
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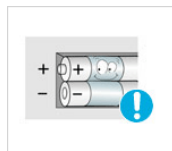
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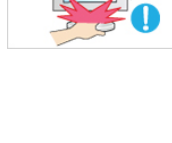
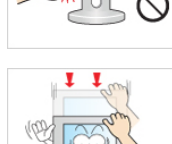
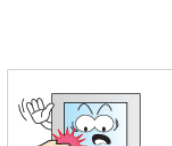
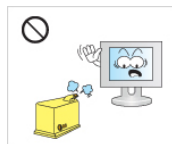
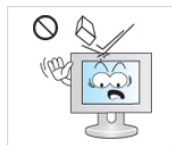
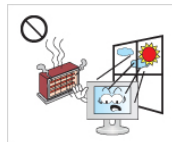


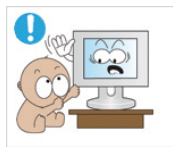
가

가



(+, -)





가 가

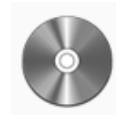
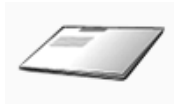


45~50 cm,

90

90

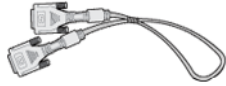
가



D-Sub



(AAA X 2)



DVI

TV

(/RF)



HDMI



(P_R, P_B, Y)



TV/DTV

TV/

[PC] → [DVI] → [TV] → [] → [HDMI1] → [HDMI2]

>>

2  MENU

3,4 + / -

5,6  / 

TV/DTV

7  []

8

9

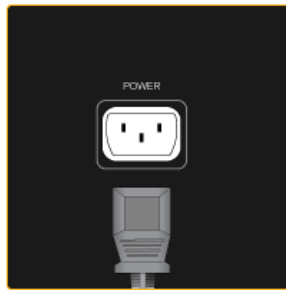


10





1 POWER



110V/220V

2 PC



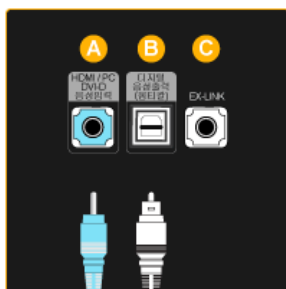
D-SUB
PC RGB

PC

3 HDMI/PC/DVI-D

()

EX-LINK



A HDMI/PC/DVI-D

D / PC [HDMI/PC/DVI-

B ()

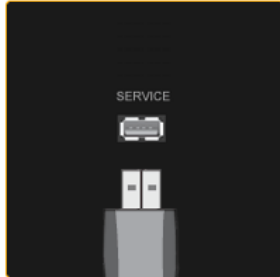
[()] DVD

()

C EX-LINK

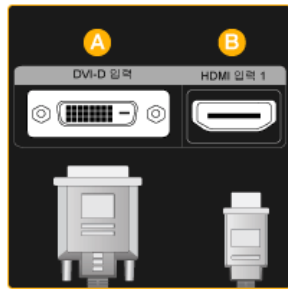
A/S

4 SERVICE



A/S

5 DVI-D / HDMI 1



A DVI-D

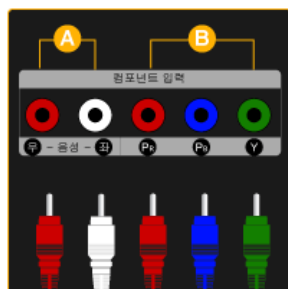
DVI-D [DVI-D]
PC DVI-D
PC . (DVI
.)

B HDMI 1

HDMI

HDMI [HDMI
1] HDMI

6



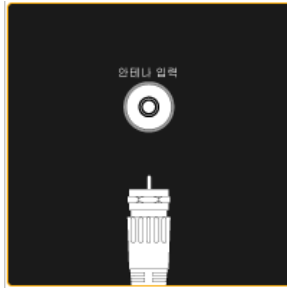
A - -

DVD

B P_R, P_B, Y

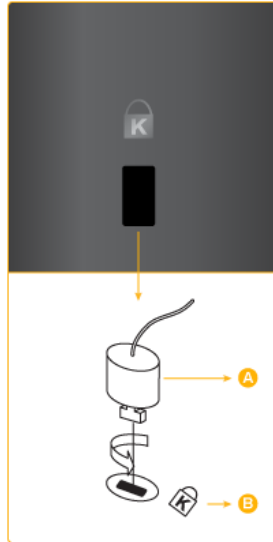
[P_R, P_B, Y] (PR, PB, Y)
DVD / DTV

7



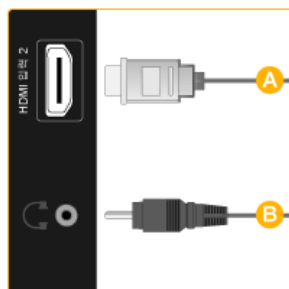
CATV " " TV

8



1. (A)
(B)
- 2.
- 3.

9 HDMI 2 /



(A) HDMI 2

HDMI

HDMI 2]

(B)

/

[]

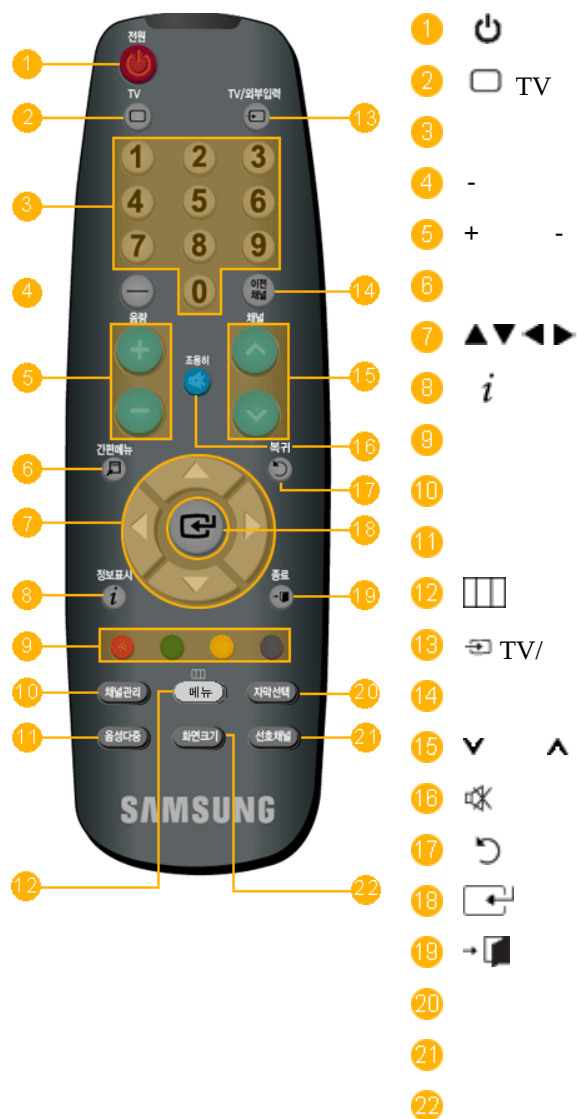
[HDMI
HDMI

10



TV

()

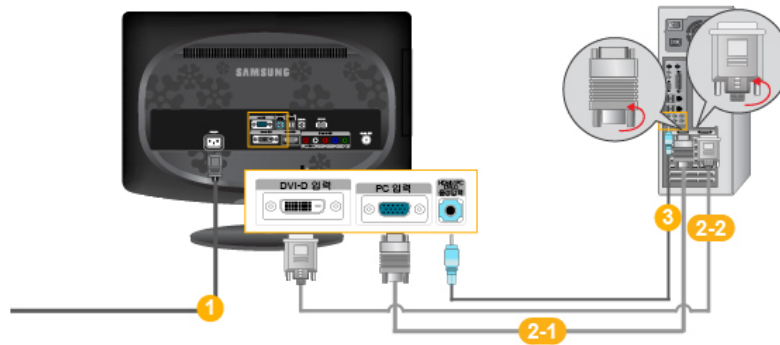


1. 
2.  TV TV
- 3.
4. - "- " DTV DTV MMS()
5. + -
- 6.
7. 
8. *i* ,
- 9.
10. /
11. /
12.  ,
13.  TV/ TV/
- 14.
15.  
16. 
17. 
18. 
19. 
- 20.
21. ,
- 22.

PC / DVI mode : **16:9 / 4:3**

TV / : **16:9 / 1 / 2 / 4:3**

HDMI : **16:9 / / 4:3 /**



1 220V 110V .
(.)

2

2-1 D-SUB()

- D-SUB [PC] D-SUB .



2-2 DVI()

- DVI [DVI-D] DVI .



3 [HDMI/PC/DVI-D]



- . (.)

- D-SUB DVI ,

- DVI TV/ PC .

" "



1. D-SUB()

- 15 D-SUB [PC] D-SUB .

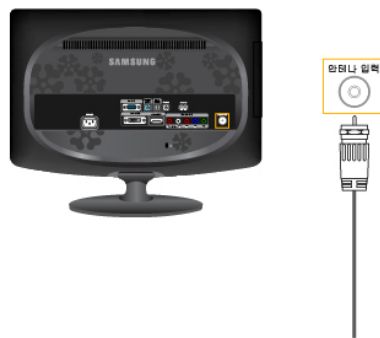


TV

TV



CATV TV TV 가 TV



1. CATV TV [] .

, TV RF .

- :

- :

가 .

- TV [] :

- TV
2. TV
 3. (,)

>> :



[]



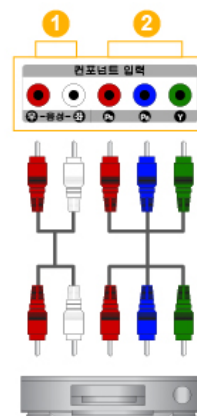
- 가 TV 가
- UHF 가
- ,
- UHF



- DVD AV
-
-



DVD / DTV 가 [DVD / DTV] 가



1 RCA DVD [- -]

2 (PR, PB, Y) DVD / DTV (P_R, P_B, Y)

[P_R, P_B, Y]



"HDMI"

" "

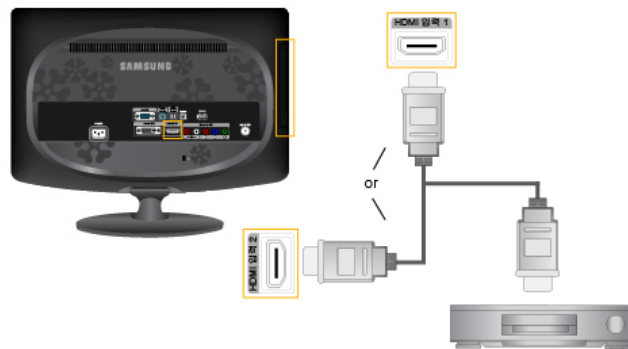
P_R, P_B,

UHF

HDMI

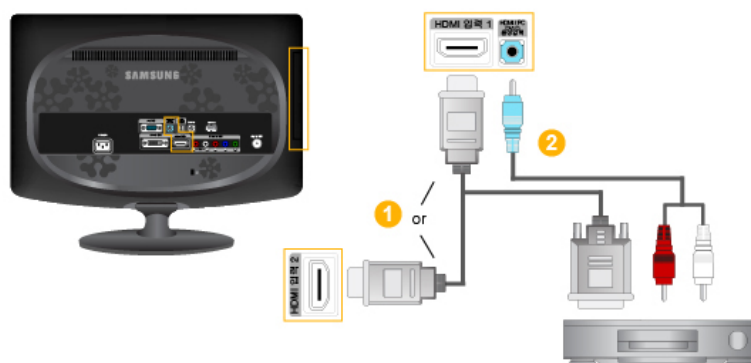


1. HDMI



- HDMI 1] [HDMI 2] HDMI [HDMI
- DVD()
- "HDMI"

2. HDMI/DVI



1 HDMI/DVI DVI [HDMI
]

2 RCA/ (PC) , [HDMI/PC/DVI-D]

3. DVD()

4. " " "HDMI" .



HDMI/DVI 가 .
[HDMI/PC/DVI-D] [-
-] 가 .
[HDMI/PC/DVI-D]



()



1.)/ (

2. .

3. .

4. .



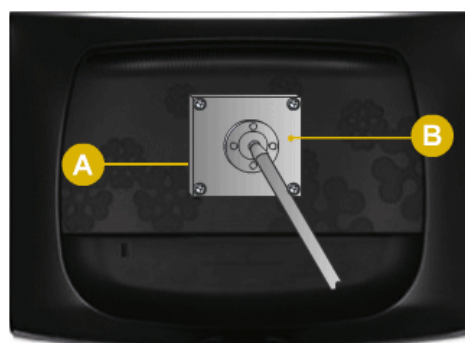
• 가 .
• ()





0 ° ~ 18 °

100 mm x 100 mm VESA



A



()

1. .
2. .
3. .
4. (, .

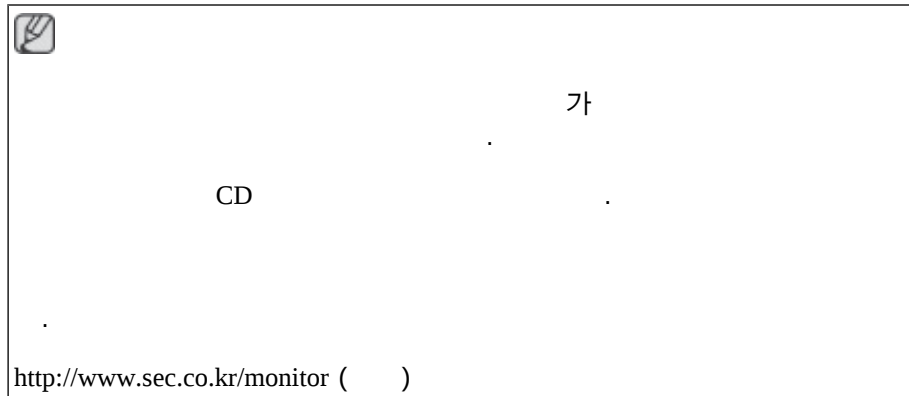


- .
- VESA (WALL MOUNT) 가 .
- VESA .

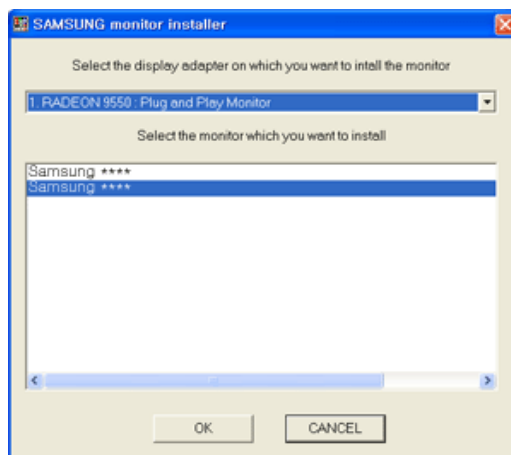
가 .



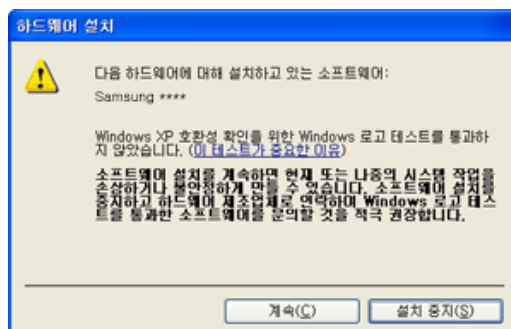
- (WALL MOUNT) 10 cm .
- 가
- Wall Mount .



1. CD CD-ROM
2. "Windows"
- 3.



4. dows® XP/2000). (Microsoft® Win-



MS

<http://www.sec.co.kr/monitor>

5. 가

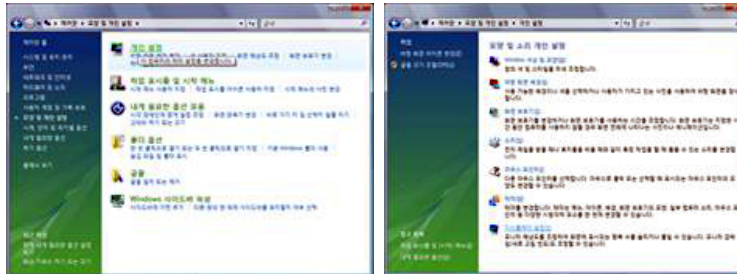
Microsoft® Windows Vista™,

1. CD CD-ROM

2. " () " " " "



3. " " " "

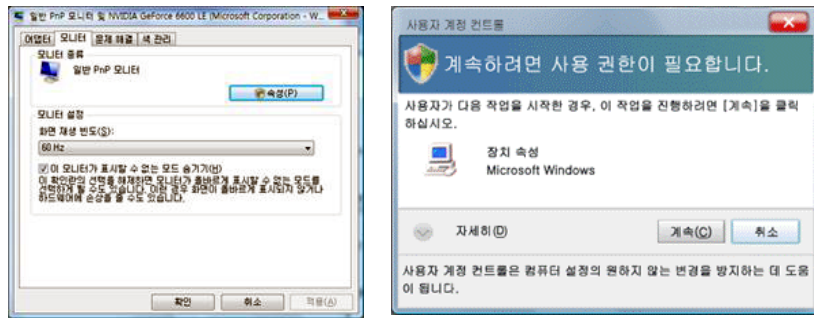


4. " "



5. " " " " " "

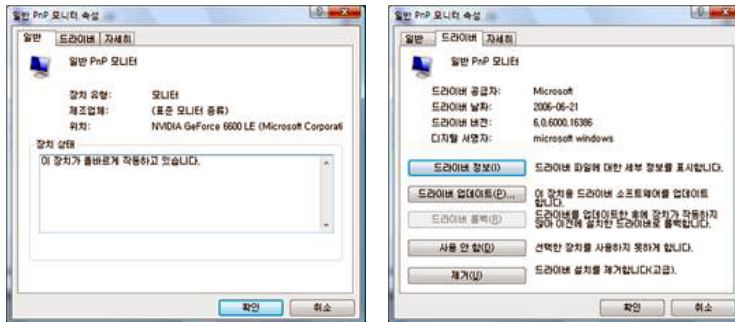
" " " " " "



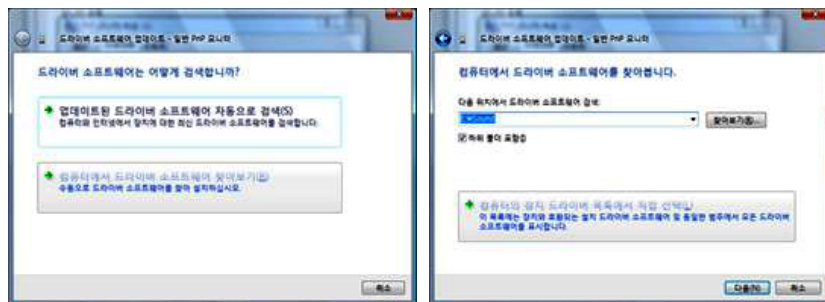
MS

<http://www.sec.co.kr/monitor>

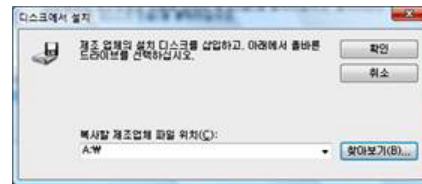
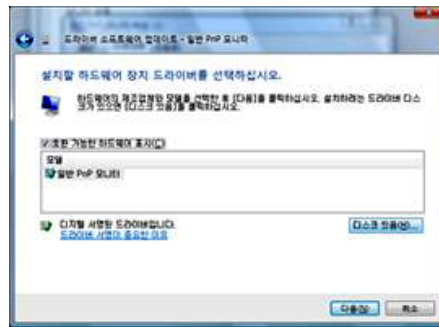
6. " " " "



7. " " "

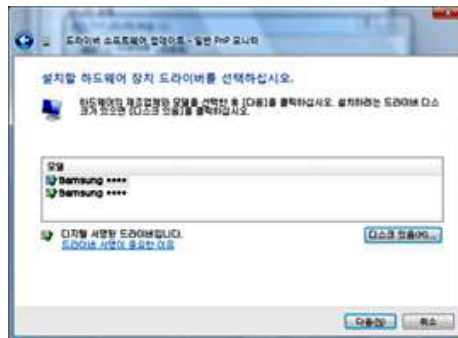


8. “ ” (:D:\Drive)

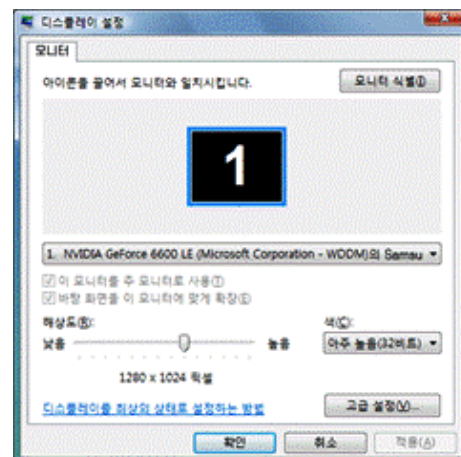
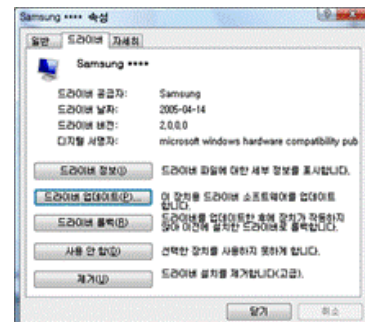
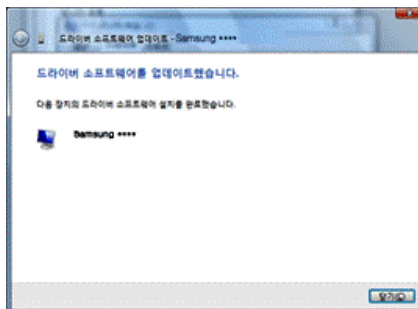


9.

“ ”



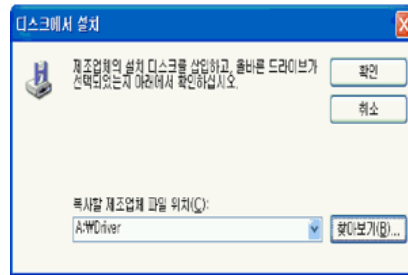
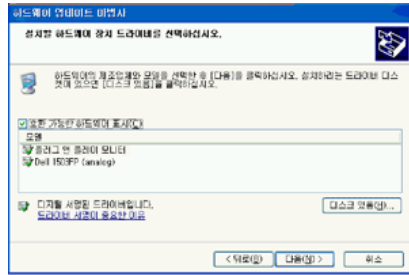
10. “ ” → “ ” → “ ” → “ ”



Microsoft® Windows® XP

1. CD CD-ROM

2. “ ” → “ ” “ ” “ ”



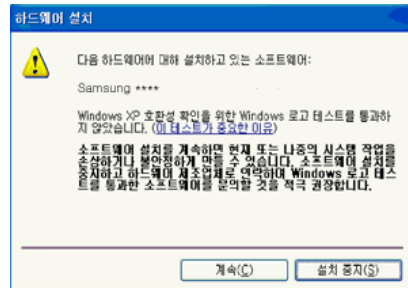
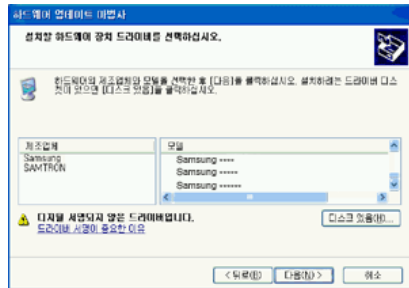
7.

"

"

"

"

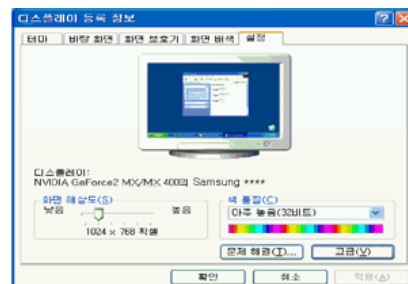
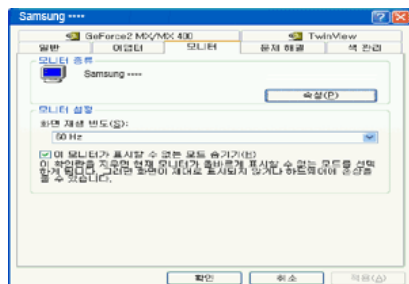
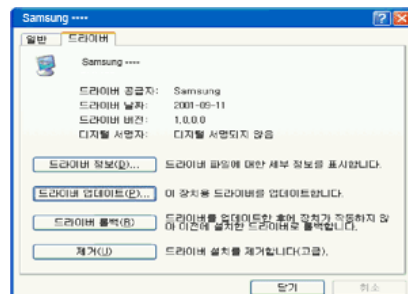
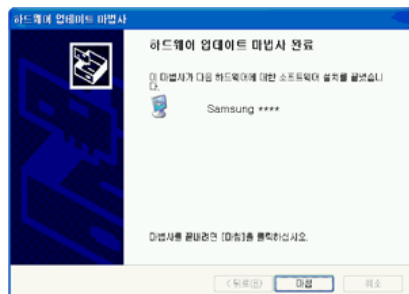


MS

<http://www.sec.co.kr/monitor>

8.

" " → " " → " "



Microsoft® Windows® 2000

"

"

1. " " " " .
2. " " " " .
3. A:\(,D:\Driver) " " .

1. " " → " " → " " .
2. " " .
3. " " → " " → " " .
4. " " .
5. " " " " → " " .
6. " " " .
7. " " " " .
8. A:\(,D:\Driver) " " → " " .
9. " " → " " .
10. " " .
" " " " " "

Microsoft® Windows® Me (Millennium)

1. " " → " " → " " .
2. " " .
3. " " .
4. " " .
5. " .." " " .
6. " " " .
7. " " " " .
8. A:\(,D:\Driver) " " → " " .
9. " " → " " .
10. " " .

Microsoft® Windows® NT

1. " " → " " → " " " " " "

2. " " " " " "

3. (, ,) " " .



Linux

X-Window 가

X86Config

X86Con-

fig

1. X86Config "Enter" .

2. .

3. . .

4. .

5. " .." " " .

6. . (가 .)

7. . (가 .)

8. . X-Window

9. . X-Window

Natural Color

(Natural Color S/W) ?



(Natural Color S/W) 가 .
, 가 (F1) .

(Natural Color S/W)

CD CD-ROM Natural Color S/W
가 .

Window [] [] CD CD-ROM
D:\color\NCProSetup.exe <Enter> .

(CD 가 D:\가 .)

(Natural Color S/W)

[] []/[] , [가/] .

MultiScreen



MultiScreen

1. CD CD-ROM

2. MultiScreen



Screen

CD Rom Multi-

3. " "

4. " " " "

5. " "

6. " "

7.

8. " "

9. 가 MultiScreen

MultiScreen

F5 Key

(MultiScreen)

MultiScreen , ,

OS

- Windows 2000
- Windows XP Home Edition
- Windows XP Professional
- Windows Vista™

- 32MB
- 60MB

[] []/[] , [가/] .
MultiScreen [가/] .

가 TV/

P PC / DVI

T TV

C

H HDMI



()

: PC / DVI **P**

MagicBright



TV/ PC, DVI , , , ,

가 .

- (DVD,TV,/HDTV,)
가 .

- (+) 가

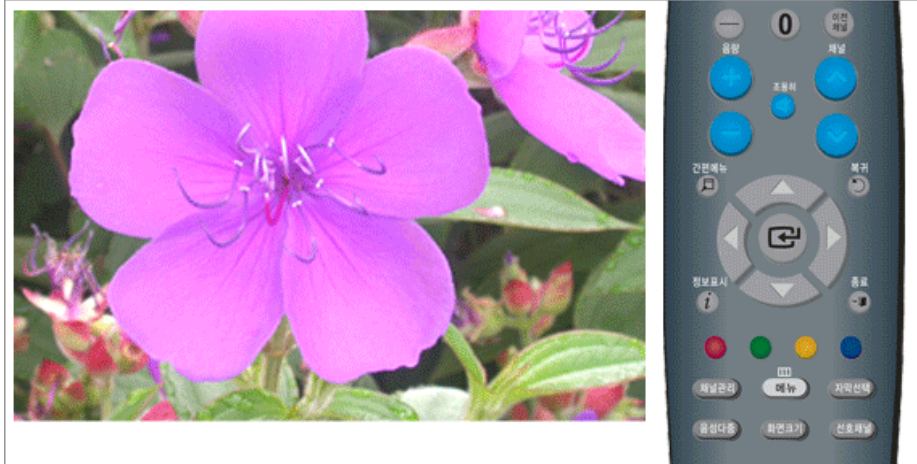
- .

- .

- .

→ [Left Arrow] → [Right Arrow] → ▲, ▼ → [Left Arrow] → ,
/ /

(MagicBright .)



가

- :
- :
- :

→ [Left Arrow] → ▲, ▼ → [Right Arrow] → ▲, ▼, ◀, ▶ → [Left Arrow] → ,

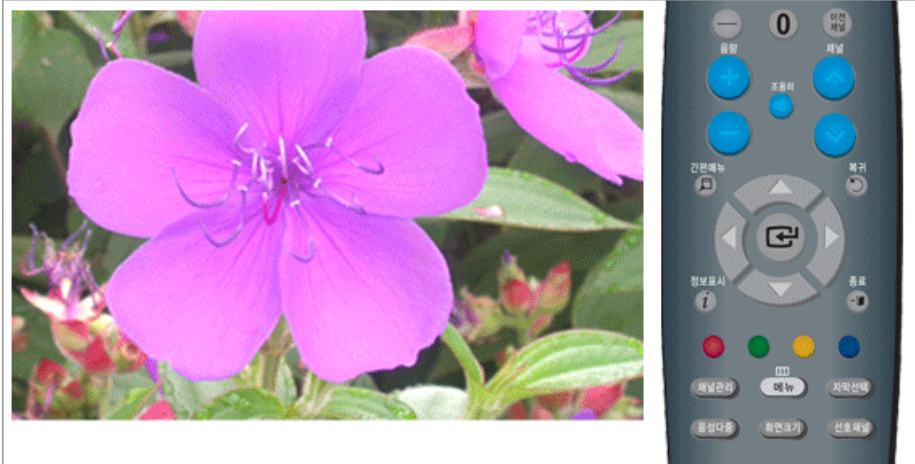


(PC .)

→ [Left Arrow] → ▲, ▼ → [Right Arrow]

: (PC .)

- /



• () .

가 .

• () .

가

→ [Left Arrow] → ▲, ▼ → [Left Arrow] → [Left Arrow] → ▲, ▼, ◀, ▶ → [Left Arrow] → ,

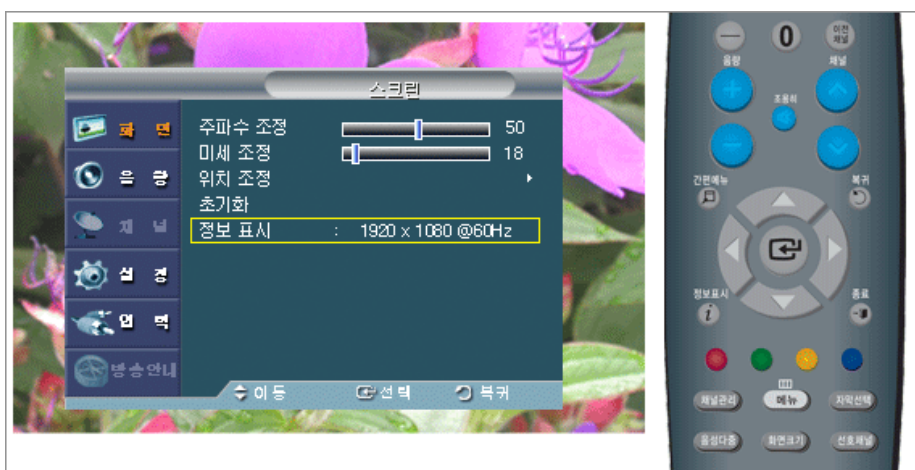
-



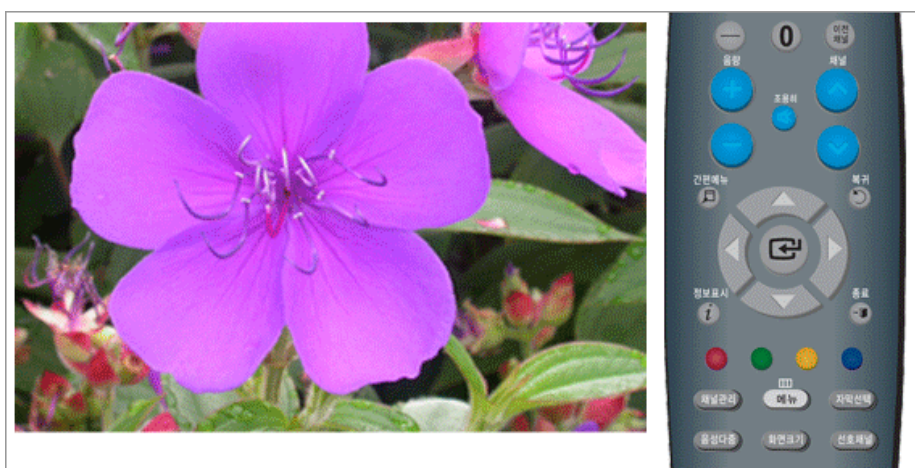
→ [Left Arrow] → ▲, ▼ → [Left Arrow] → ▲, ▼ → [Left Arrow] → ▲, ▼, ◀, ▶ → ,



→ [Left Arrow] → [Up Arrow], [Down Arrow] → [Right Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] →

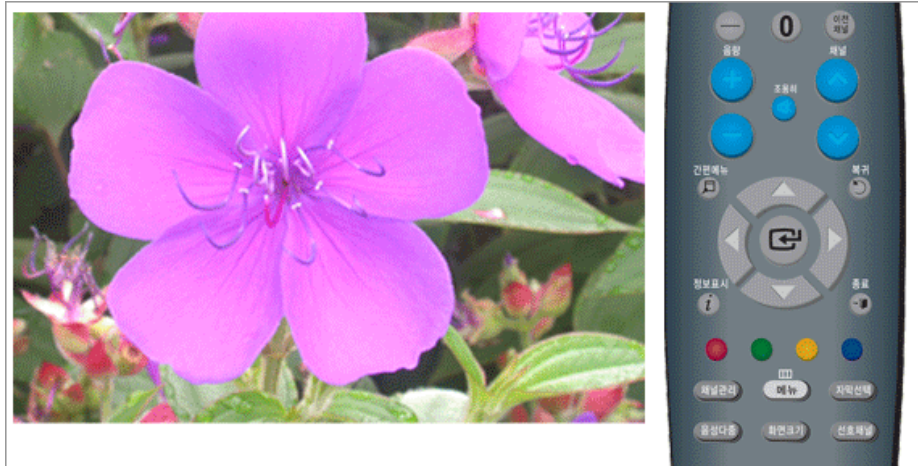


가



/ / /
 → [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → ,

- / /



, ,
 → [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → [Up Arrow], [Down Arrow], [Left Arrow], [Right Arrow] → ,

-



16:9 / 4:3

→ [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → [Up Arrow], [Down Arrow] → ,



-
-

→ [Exit] → [Up], [Down] → [Exit] → [Up], [Down] → [Exit] → ,

: TV /

/ HDMI TCH



, 가

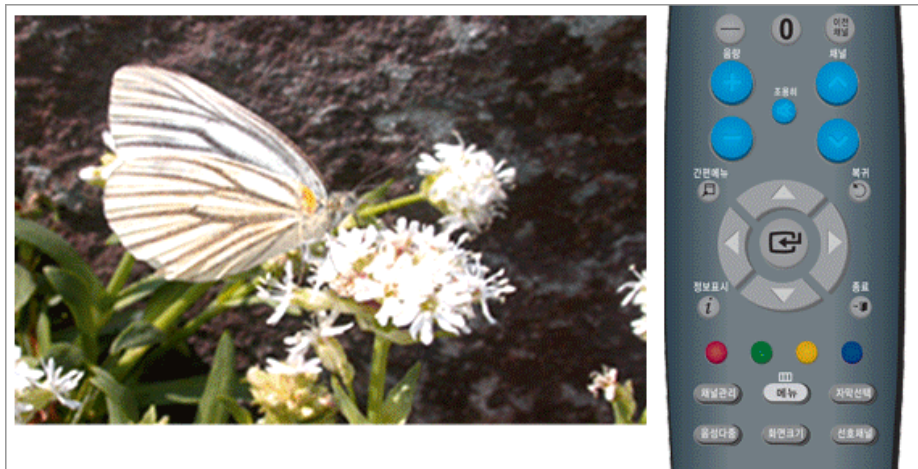
-
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가

가

→ [Left Arrow] → [Right Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → ,

/ / / / /



가

- : LCD
- :
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→ [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → [Up Arrow], [Down Arrow], [Left Arrow], [Right Arrow] → [Left Arrow] → ,

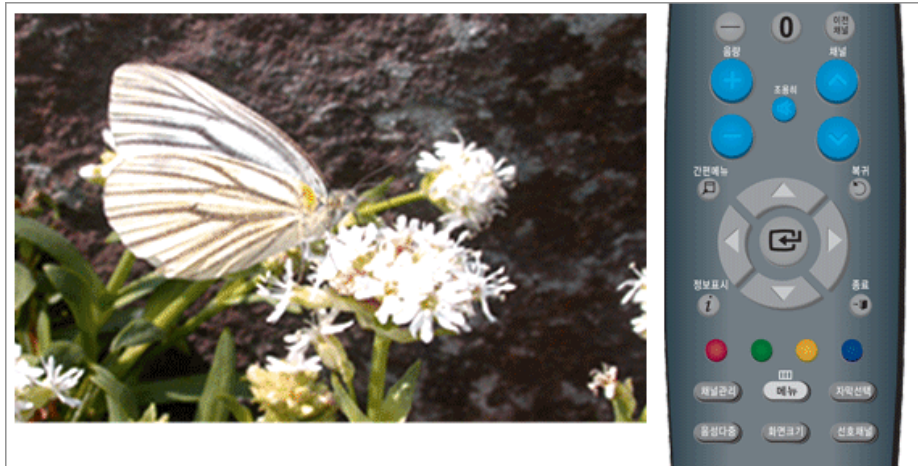
가



2 / 1 / / 1 / 2

 < 1> < 2> 가 < >

→ [] → ▲, ▼ → [] → [] → ▲, ▼ → [] → ,



16:9 - DVD

16:9

1 - 16:9

2 - 1

4:3

4:3 -

4:3

- HDMI,

DTV

가

HDMI(720p, 1080i), (1080i), DTV(1080i)

HDMI(1080i), (1080i)

(< > < > **HDMI** .)



• < 1>, < 2> 가 가

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→ [] → ▲, ▼ → [] → ▲, ▼ → [] → ▲, ▼ → ,



→ [Source] → ▲, ▼ → [Source] → ▲, ▼ → [Source] → ▲, ▼ → ,

- HDMI



HDMI (DVD , TV)가 ,
HDMI
(HDMI .)

/
→ [Source] → ▲, ▼ → [Source] → ▲, ▼ → [Source] → ▲, ▼ → [Source] → ,



(24 frames) TV(30 frames)

가

< >

TV, (480i, 1080i), HDMI(480i, 1080i)

/

→ [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] →



-
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→ [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] → [Up Arrow], [Down Arrow] → [Left Arrow] →

가 TV/

P PC / DVI

T TV

C

H HDMI



()

P T C H



, 가

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•

가

•

가

→ ▲, ▼ → [↶] → [↷] → ▲, ▼ → [↶] → ,

PTCH



가 /

→ ▲, ▼ → [] → ▲, ▼ → [] → ▲, ▼, ◀, ▶ → [] → ,

TCH



가

(DTV .)

/ /

→ ▲, ▼ → [] → ▲, ▼ → [] → [] → ▲, ▼ → [] → ,

(TV() .)



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→ ▲, ▼ → [Left Arrow] → ▲, ▼ → [Left Arrow] → [Left Arrow] → [Left Arrow] → ▲, ▼ → [Left Arrow] → ,



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1 가 .

2

/ 2 가 .

→ ▲, ▼ → [Left Arrow] → ▲, ▼ → [Left Arrow] → [Left Arrow] → ▲, ▼ → [Left Arrow] → ▲, ▼ → [Left Arrow] → ,

P T C H



가

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→ ▲, ▼ → □ → ▲, ▼ → □ → ▲, ▼ → □ → ,

TV

P T C H



<TV > < > ,TV TV

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→ ▲, ▼ → □ → ▲, ▼ → □ → ▲, ▼ → □ → ,

가 TV/

P PC / DVI

T TV

C

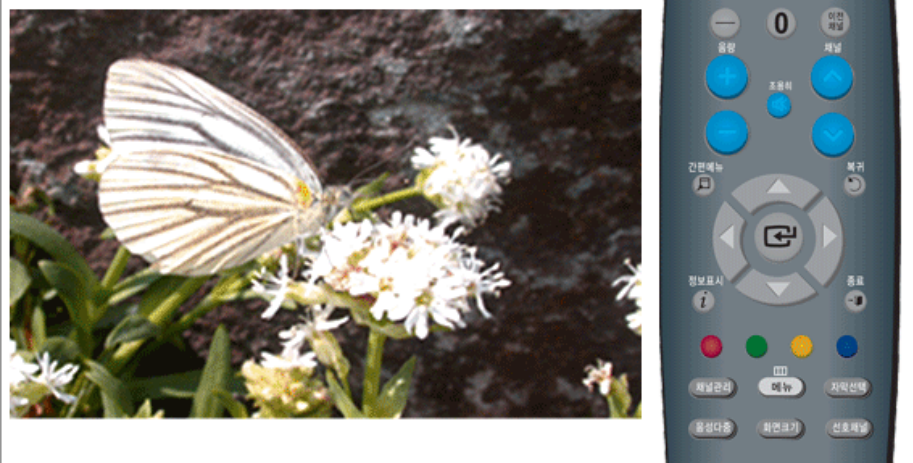
H HDMI



()

DTV

T



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→ ▲, ▼ → [] → [] → ▲, ▼ → [] → ,

T



가 TV . 3~4

가

→ ▲, ▼ → [] → ▲, ▼ → [] → ,

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가

(DTV

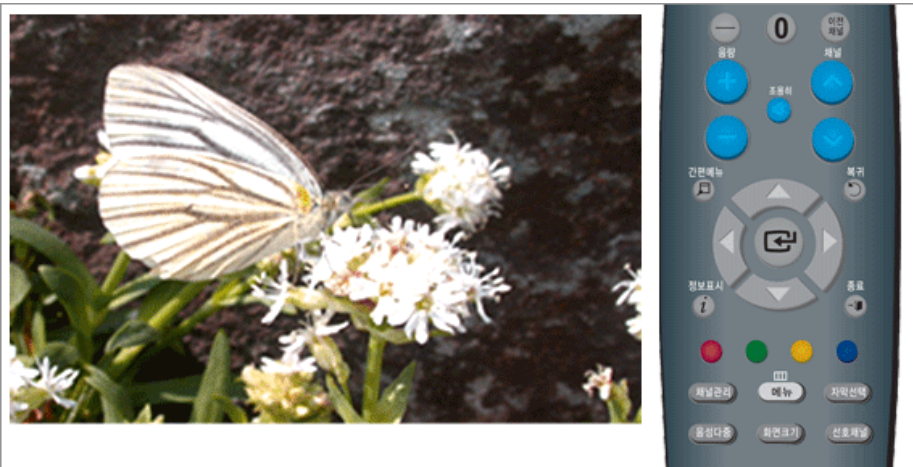
.)



A~Z, 0~9, +, -, *, /,

→ ▲, ▼ → [Left Arrow] → ▲, ▼ → [Left Arrow] → ▲, ▼ → [Left Arrow] → ▲, ▼, ◀, ▶ → [Left Arrow] → ▶, ▶ → [Left Arrow] →

T



TV

가

가

(DTV

.)

→ ▲, ▼ → [Left Arrow] → ▲, ▼ → [Left Arrow] → ▶, ▶ → [Left Arrow] → ▲, ▼ → [Left Arrow] → ,

T



(DTV .)

→ ▲, ▼ → [↔] → ▲, ▼ → [↔] → [↔] → ,

가 TV/

P PC / DVI

T TV

C

H HDMI



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T



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→ ▲, ▼ → [↔] → [↔] → [↔] → ◀, ▶ → [↔] → [↔] → [↔] → ▲, ▼ → [↔]



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→ ▲, ▼ → [Left Arrow] → [Left Arrow] → [Left Arrow] → [Left Arrow] → ▲, ▼ → [Left Arrow] → ,



< > < >가 < >

→ ▲, ▼ → [Left Arrow] → [Left Arrow] → [Left Arrow] → ▲, ▼ → [Left Arrow] → ▲, ▼, ◀, ▶ → [Left Arrow] → ,



- , 30, 60, 90, 120, 150, 180

→ ▲, ▼ → [] → [] → ▲, ▼ → [] → ▲, ▼, ◀, ▶ → [] → ,

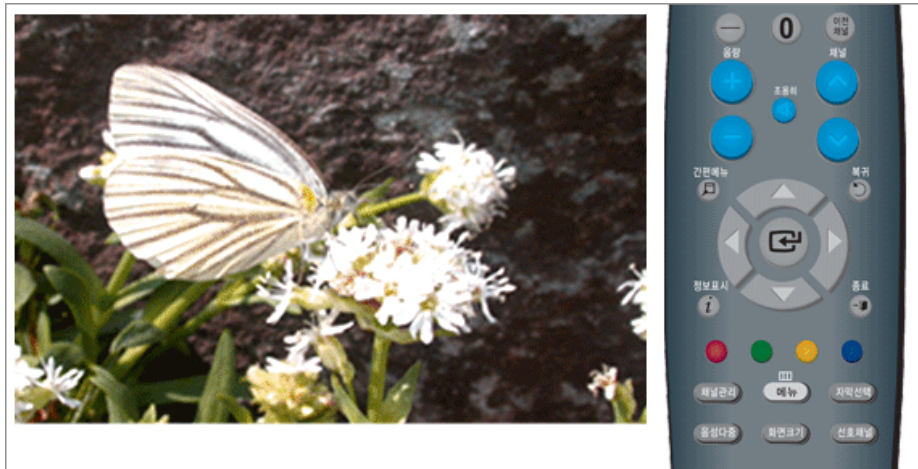
1 / 2 / 3



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→ ▲, ▼ → [] → [] → ▲, ▼ → [] → ▲, ▼, ◀, ▶ → [] → ,

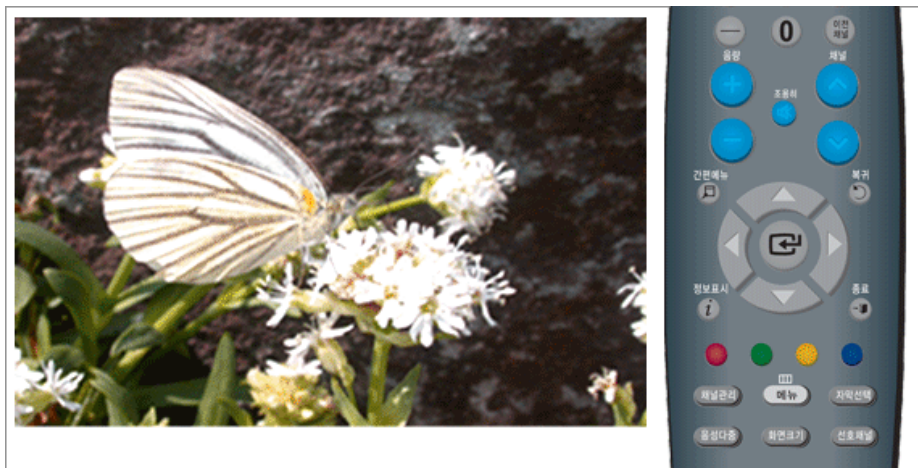
T



/

→ ▲, ▼ → [↶] → ▲, ▼ → [↶] → [↶] → ▲, ▼ → [↶] → ,

-



(, .)

/ /



• CC(CC) 가

• DVD (AV)

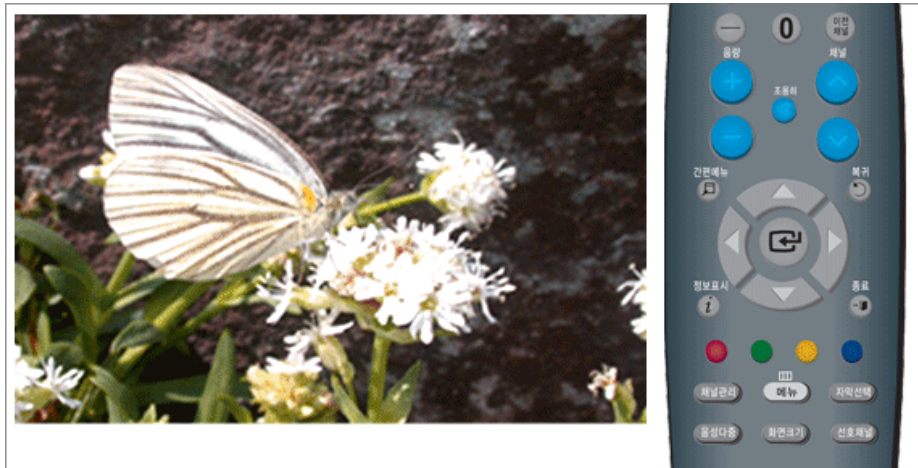
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→ ▲, ▼ → [↔] → ▲, ▼ → [↔] → ▲, ▼ → [↔] → ▲, ▼ → [↔] → ,



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/ 1 / 2 / 3 / 4 / 5 / 6



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< 1> < 1>

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→ ▲, ▼ → [↔] → ▲, ▼ → [↔] → ▲, ▼ → [↔] → ▲, ▼ → [↔] → ,



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→ ▲, ▼ → [↔] → ▲, ▼ → [↔] → ▲, ▼ → [↔] → [↔] → ▲, ▼ → [↔] → ,


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PTCH



TV

/ / /


가 , 0 , 가

가

→ ▲, ▼ → [↔] → ▲, ▼ → [↔] → ▲, ▼ → [↔] → ,

PTCH



TV

- : TV
- : TV
- : TV TV
- : TV

→ ▲, ▼ → ◀ → ▲, ▼ → ▶ → ▲, ▼ → ▶ → ,

PTCH



→ ▲, ▼ → ▶ → ▲, ▼ → ▶ → ◀, ▶ → ▶ → ,

TCH



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→ ▲, ▼ → [] → ▲, ▼ → [] → ▲, ▼ → [] → ,

PTCH



- USB

→ ▲, ▼ → [] → ▲, ▼ → [] → [] → [] → ,

가 TV/

P PC / DVI

T TV

C

H HDMI



()

TV/

PTCH



"TV/ "

PC / DVI / TV / / HDMI1 / HDMI2

→ ▲, ▼ → [Left Arrow] → [Right Arrow] → ▲, ▼ → [Left Arrow]

PTCH



VCR/ DVD / / / PVR / AV / / /
PC / TV / IPTV / Blu-Ray / HD DVD / Digital Media Adapter

→ ▲, ▼ → [Left Arrow] → ▲, ▼ → [Left Arrow] → [Right Arrow] → ▲, ▼ → [Left Arrow] → MENU,EXIT

가 TV/

P PC / DVI

T TV

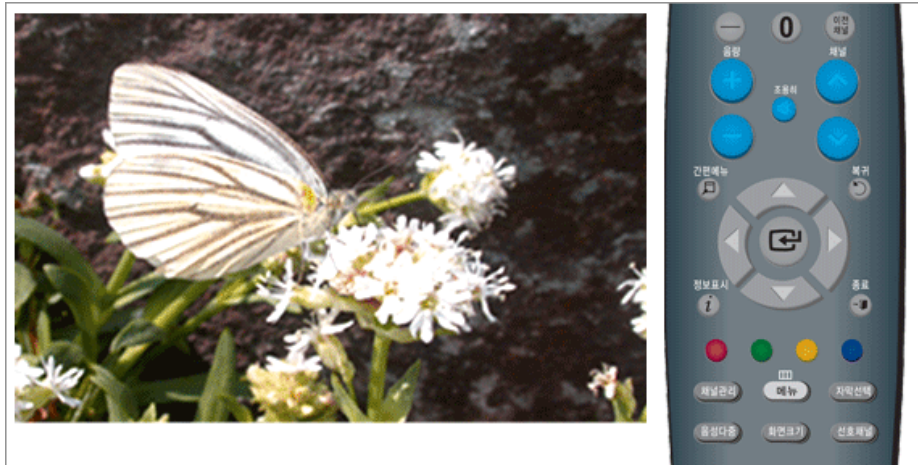
C

H HDMI



()

P T C H



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(,

가



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→ ▲, ▼ → ◀ → ▶ → ▲, ▼ → ◀ →

P T C H



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→ ▲, ▼ →  → ▲, ▼ →  →  → ▲, ▼ →  → → ,



가 , 가
가 ,

- 1.
- 2.
- 3.

가

 케이블 연결을 확인하세요.

- 4.

가

가

가

 지원하지 않는 모드입니다.



가

- 1.



- , .
 - .
- ()

2.

()



- , , .
- (.)
- .

/



PC

가

PC

, ,

1

1.

2.

3

(" " 가 3 .)

3.

PC

()

4.

56 Hz ~ 75 Hz

(, 60 Hz .)

5.

" → " ()



1.



PC

Q: PC 가 .

A: () . ()

Q: .

A: , . ()

TV

Q: TV 가 .

A: TV . (TV)

Q: TV 가 .

A: . ()

2.



Q: .

Q: .

A: . ()

Q: " " 가 .

A: . ()

A: .

A: DVI PC .

Q: " " 가 .

A: 가

A: . ()

Q: .

A: . ()

Q: .

A: .

A: () .

A: . ()

Q: .
가 .

A: 가 가
가

Q: . .

A: .

Q: .

A: 가 .

A: .

Q: .

A: MENU 'TEST GOOD'
,

3.



Q: 가 .

A: . (,
)

Q: 가 .

A: . ()

A: 가
.



Q: .

A: + / - 가 ?

A: 가 ?

A: 가 ?

A: 가 ?

A: ?

가

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가

Q: ?

A: .

A: .(

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Q: ?

A: Windows XP:

→

→

→

A: Windows ME/2000:

→

→

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Q: ?

A: Windows XP:

→

→

→

BIOS SETUP

(Windows/)

A: Windows ME/2000:

→

→

BIOS SETUP

(Windows/)

Q: /LCD ?

A: .

A: , LCD 가 ,

가

A: .

<http://www.sec.co.kr/monitor> > FAQs > & () >

"

"

가

Q: 가 ?

A: TV TV ,

가

가

A: 가

가

TV
가 가

Q: HDTV SDTV 가 ?

A: TV

A: HDTV SDTV ,

- HDTV (High Definition TV): TV
- SDTV (Standard Definition TV): TV

A: SDTV 가 가 TV 4:3 HDTV 16:9
SDTV 「가」

A: TV HDTV

Q: TV ?

A: MBC (11-1), KBS1 (9-1), SBS (6-1), KBS2 (7-1), EBS (10-1)



() 가

A: TV

Q: TV HD ?

A: TV SD , HD TV SD
HD SD TV SD
16:9 가 4:3 TV HD
TV HD

A: (가 .) TV 16:9

Q: TV TV ?

A: .

A: TV 가

Q: TV ?

A: .

A: TV ,

Q: ?

A: TV TV
가 가 UHF

Q: ?

A: (

A: TV 가 TV TV

() TV

A: TV 가

A: 가 가 ,
, TV

SyncMaster 2333HD
CF23MS

LCD

23 (58 cm)
509.76 mm () x 286.74 mm ()
0.2655 mm () x 0.2655 mm ()

30 ~ 81 kHz
56 ~ 75 Hz

16.7 M

1920x1080@60 Hz
1920x1080@60 Hz

RGB , DVI(Digital Visual Interface)

0.7 V_{p-p} ± 5 %

H/V sync,

TTL (V high ≥ 2.0 V, V low ≤ 0.8 V)

138.500 MHz

AC 100 - 240 V~ (+/- 10 %), 50/60 Hz ± 3 Hz

15 D-sub

DVI-D to DVI-D

(x x)/
557.8 x 363.8 x 74.0 mm () / 5.5 kg
557.8 x 415.3 x 218.8 mm () / 6.1 kg

(VESA Stand)

100 mm x 100 mm

: 10 °C ~ 40 °C (50 °F ~ 104 °F)

: 10 % ~ 80 %,

: -20 °C ~ 45 °C (-4 °F ~ 113 °F)

: 5 % ~ 95 %,

가

LCD Panel

1ppm(1)

LCD Sub Pixel : 23 (58) : 6,220,800



B (가)

가 (B)

, .)

.(B A 가

가 ,

, ,

()

53 w

2 w

1 w

(120Vac)



가

"0" Watt 가



ENERGY STAR®

가
가

	(kHz)	(Hz)	(MHz)	(/) (H/V)
IBM, 640 x 350	31.469	70.086	25.175	+/-
IBM, 640 x 480	31.469	59.940	25.175	-/-
IBM, 720 x 400	31.469	70.087	28.322	-/+
MAC, 640 x 480	35.000	66.667	30.240	-/-
MAC, 832 x 624	49.726	74.551	57.284	-/-
MAC, 1152 x 870	68.681	75.062	100.000	-/-
VESA, 640 x 480	37.861	72.809	31.500	-/-
VESA, 640 x 480	37.500	75.000	31.500	-/-
VESA, 800 x 600	35.156	56.250	36.000	+/+
VESA, 800 x 600	37.879	60.317	40.000	+/+
VESA, 800 x 600	48.077	72.188	50.000	+/+
VESA, 800 x 600	46.875	75.000	49.500	+/+
VESA, 1024 x 768	48.363	60.004	65.000	-/-
VESA, 1024 x 768	56.476	70.069	75.000	-/-
VESA, 1024 x 768	60.023	75.029	78.750	+/+
VESA, 1024 x 768	60.023	75.029	78.750	+/+
VESA, 1152 x 864	67.500	75.000	108.000	+/+
VESA, 1280 x 800	49.702	59.810	83.500	+/+
VESA, 1280 x 960	60.000	60.000	108.000	+/+
VESA, 1280 x 1024	63.981	60.020	108.000	+/+
VESA, 1280 x 1024	79.976	75.025	135.000	+/+
VESA, 1440 x 900	55.935	59.887	106.500	-/+
VESA, 1600 x 1200	75.000	60.000	162.000	+/+
VESA, 1680 x 1050	69.290	59.954	146.250	-/+
VESA, 1920 x 1080	66.587	59.934	138.500	+/-



가 Line

kHz

가
1
fresh Rate Hz , Re-

가 가 .



- 1588 - 3366
- 02-541-3000
- 080-022-3000
- <http://www.sec.co.kr/monitor>

가

- <http://www.samsungsvc.co.kr>

가 가



() . TFT-LCD 가

- : 1920 x 1080
- () : 60 Hz



LCD Panel

1ppm(1)

- LCD Panel Sub Pixel : 6,220,800



가

가



" "

가



-



TFT-LCD

CDT

가 가

가

- LCD Panel Sub Pixel : 6,220,800

16:9 HD

SD

4:3



HDTV

HDTV

(16:9)



TV 가

/

, DVD, DVD , , PC

()

LCD TV

LCD





가?

LCD

2

가

.LCD

LCD



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- 20 4
- 12 2

가



) , , , ,



) : 1 1



(2가)

) 2가 30

Type 1		Type 1	
FLGHT	TIME	FLGHT	TIME
OZ348	20:30	OZ348	20:30
UA102	21:10	UA102	21:10

가

- 가 (,)
-)



• : 가

• 30

)



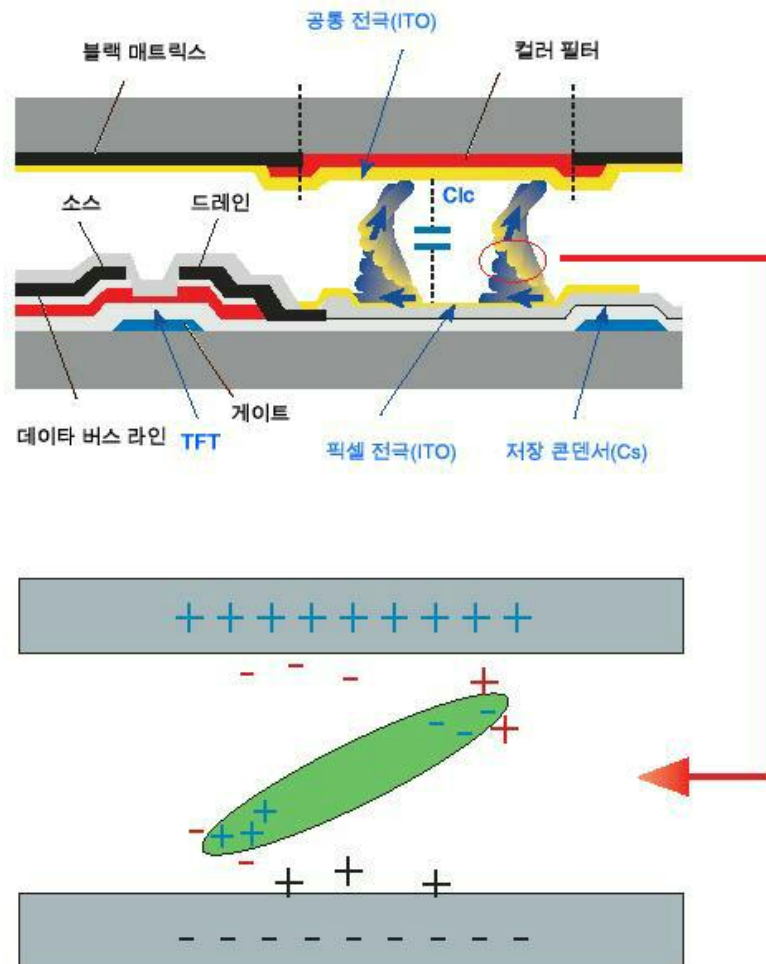
• 30

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LCD 가

(12) LCD , (LC) 가



LCD

ISO13406-2 Pixel fault Class II

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가

SyncMaster



Box

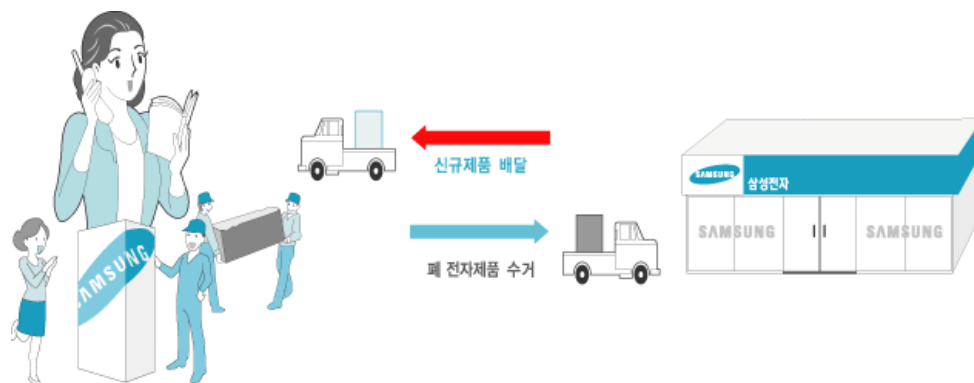
www.sec.co.kr/monitor

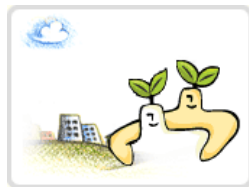
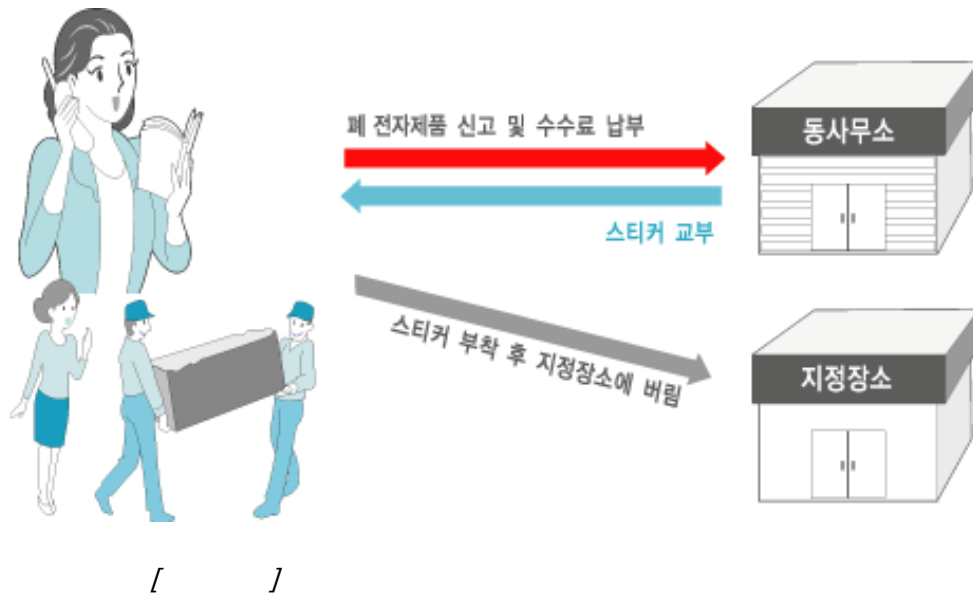
www.sec.co.kr/monitor

가

(,)

SyncMaster





1992 6

1996 5 []

480i/480p/720p/1080i

射線) , i((有效走), p()

• (走射,) : 가

• (Progressive) : (順次)

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• (Interlace) :

(Non-interlace)
(Interlace)

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TV

(Dot Pitch)

가 가

	가	.	,	가	가	.
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	가	.		TV		
	가	.				
		/		ATSC		
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		1		가		.
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				가	1	
					1	Refresh
Rate	,	Hz				
:	1	60		60 Hz		
				가	Line	
				kHz		
(Stereo)	2			2	/	
				가		
	/			NTSC		
TV						
(Optical)				가		
	S/PDIF					
TV				, DVD		
)	(	,	,	/		
				가		
(Plug &				가		
Play)				가		
						VESA
	DDC					
				가		
						가

D-SUB : 가 1920 x 1080 가 1920 () 1080 () .
(),H(),V() 5 R(),G(),B
R,G,B,H,V RGB

DVD CD, LD / ,

DVI DVI (D)igital (V)ideo (I)nterface LCD

HDMI (High Definition Multi-media Interface) 가 1 .

- HD (High Defintion)
1080 2 (1080i)
5
16:9 .
- SD (Standard Definition)
480 (480i) HD
TV 2



UL 2601-1/IEC 60601-1 , 가
I , 가
가 가 가 가

EMC IEC 601-1-2:1994

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Video In / RS 232 / Video Out

IEC (, IEC 950) IEC 601-1

IEC 601-1-1

IEC 601-1-1

: : -40°C +70°C

: 10 - 95 %,

2009

() .

() 가

SAMSUNG SyncMaster () .

Microsoft, Windows Windows NT Microsoft() .

VESA, DPM DDC Video Electronics Standard Association .

ENERGY STAR (名) (U.S. Environmental Protection Agency)

ENERGY STAR () , ENERGY
STAR

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