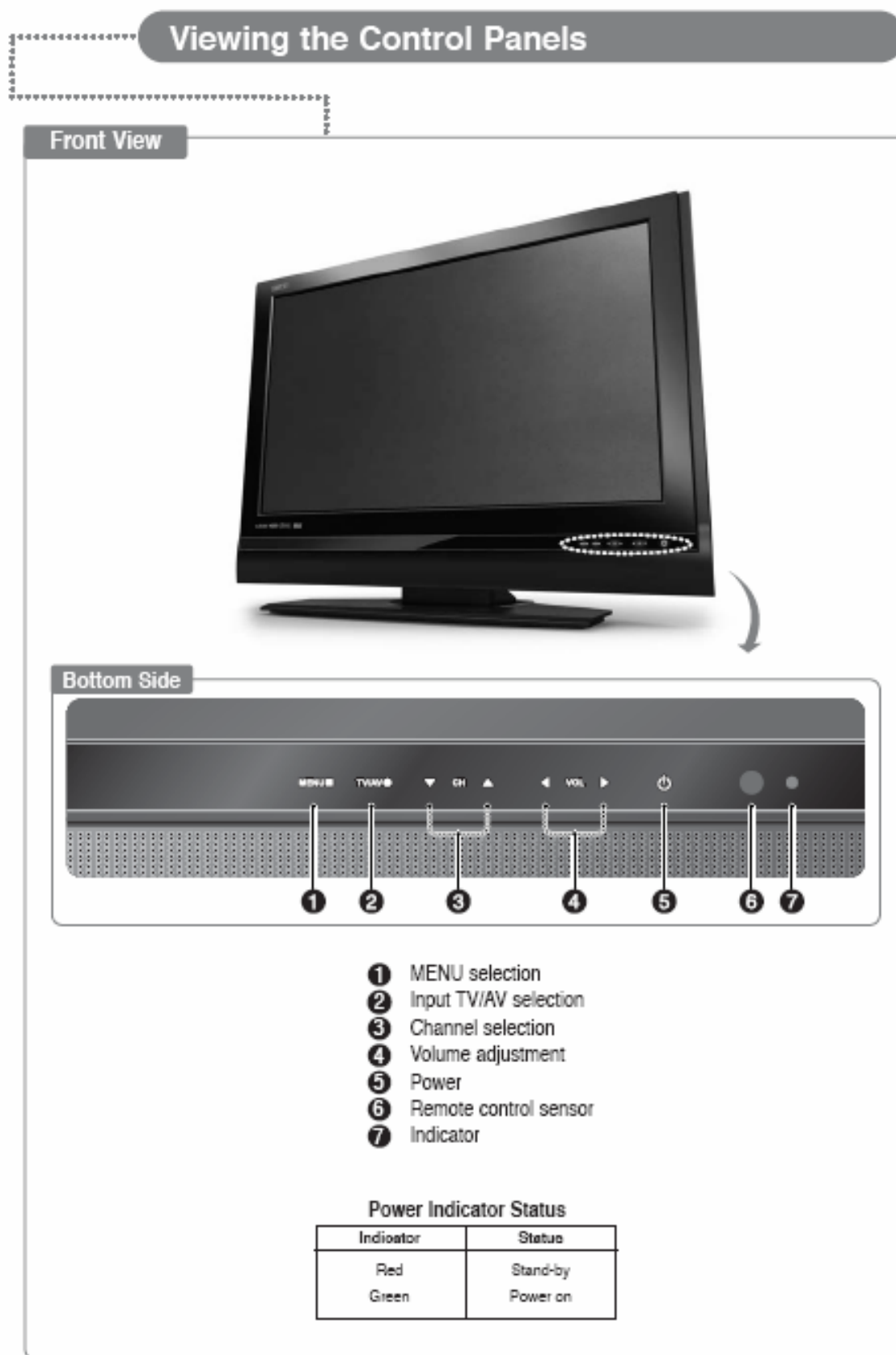
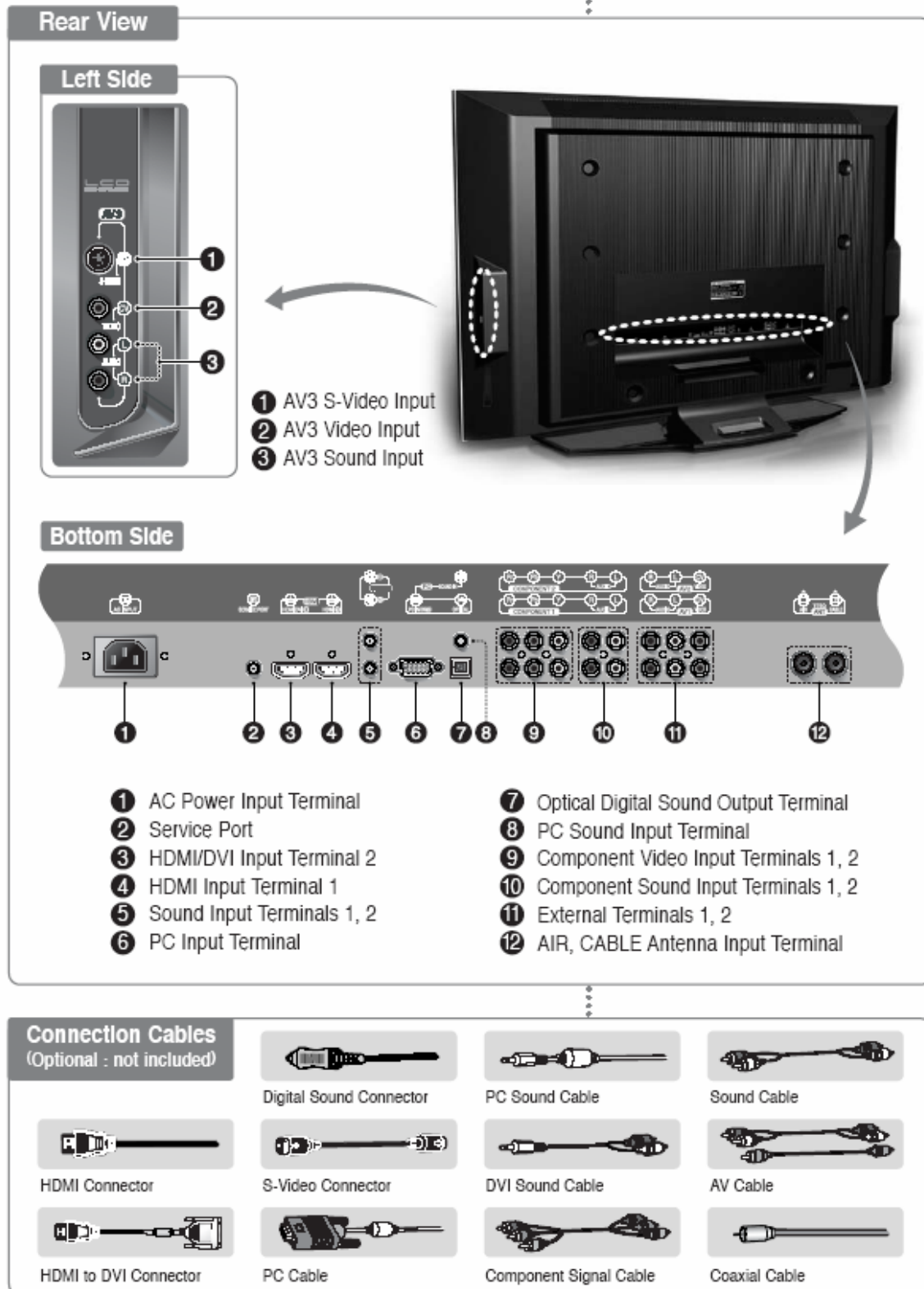


Appendix 6. Operational Description

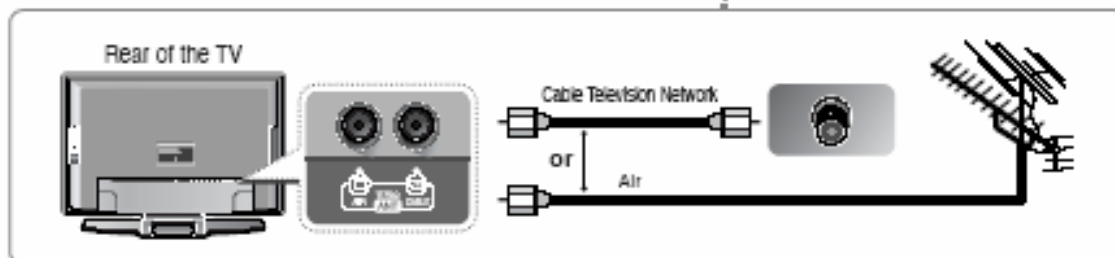


Viewing the Control Panels



Connecting an Antenna

There are internal and external types of antennas.



Connecting an Antenna

- 1 Use a coaxial cable to connect the rear panel of the TV's [AIR] or [CABLE] terminals and the wall mount or external antenna.
 - 2 When an Air signal is required, connect to the [AIR] terminal. If a Cable signal is required, connect to the [CABLE] terminal. If both Air, Cable are available, then connect both [AIR] and [CABLE] terminals.
 - 3 Connect the TV power cord when connecting everything else.
- ⚠ Avoid bending the copper tip at the center of the coaxial cable.

Caution

- If the signal is too weak to be received by the TV, purchase an additional wavelength amplifier for better reception.
- Setting up an UHF antenna will receive a digital broadcast signal.
- For apartments and condos, check with related parties or your landlord for UHF receiver availability.
- Some areas can receive digital broadcasts via cable companies, therefore check with your local cable operator.

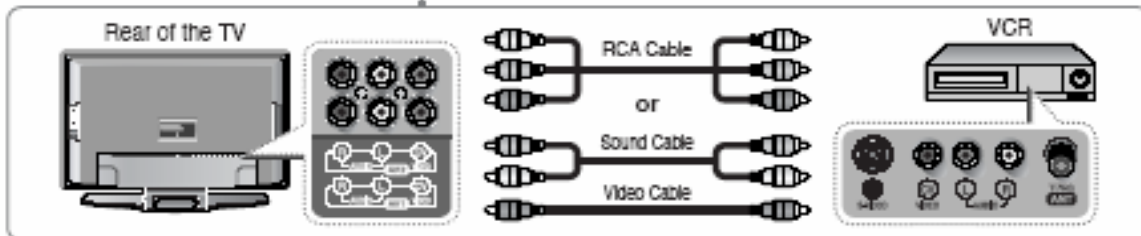
Viewing Air Channels

- 1 Turn on the TV and follow the steps in <Auto Memorizing>. Currently all broadcast Air (Analog, Digital) and Cable (Analog, Digital) channels have been memorized.
- 2 Change the channel you wish to watch!
 - Selecting channels directly via the numeric keypad.
ex) To watch channel 4: Press '4' → Press OK.
 - To change channels using the [CHANNEL] button.
ex) Change from Channel 4 to 11: Keep pressing the [CHANNEL] button until you get to Channel 11.



Connecting a VCR

External devices may have different terminals for the same functions.



Useful Tips

- To avoid picture noise (interference), leave an adequate distance between the VCR and set.
- When connecting the set to an external source, match the colours of AUDIO/VIDEO input jacks on the set with the output jacks on the audio/video equipment: Video=Yellow, Audio (Left)=White, Audio (Right)=Red.



Connecting the video / sound cables

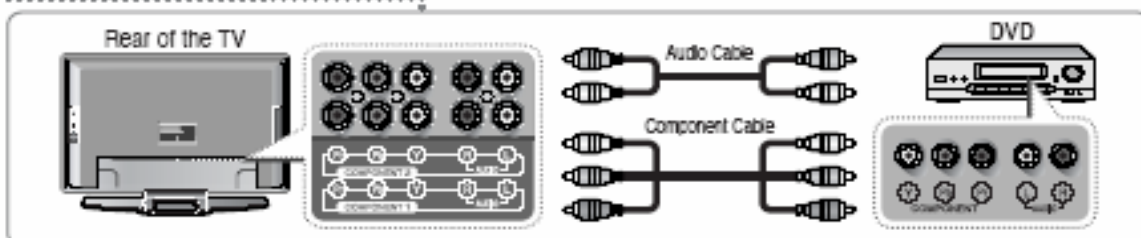
- 1 Connect the antenna cable to the Antenna Input of the rear panel of the VCR.
- 2 Use the video cable to connect the [AV1 video Input] or [AV2 video Input] (yellow) terminal at the back of the TV to the [video Output] (Yellow) of the VCR.
- 3 Use the sound cable to connect the [AV1 sound Input left / right] or [AV2 sound Input left / right] (white/red) terminal at the back of the TV to the [sound output] (white/red) of the VCR.

Watching a VCR

- 1 Turn on the TV and press the [INPUT] button, then select <AV1> or <AV2>. If <external Input> mode is not selected, check your video connection.
- 2 Turn on the VCR and press the play button.

Connecting a DVD Player

External devices may have different connecting terminals.



Useful Tips

- Component output terminals may be labeled either "YUV" or "Y, Pb/Cb, Pr/Cr".
- If the DTV receiver supports DVI, it may be connected via an HDMI or DVI cable instead of a component cable.



Useful Tips

- When connecting the [TV] and the [DVD] with the HDMI cable, press the [INPUT] button and select <COMPONENT>.

Connecting to a DVD player

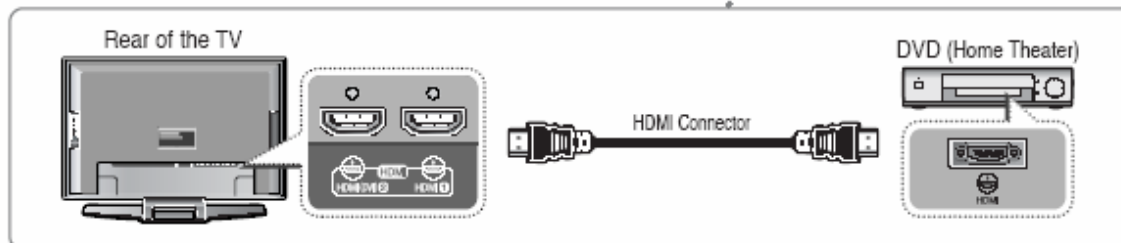
- 1 Use the component video cable to connect the [COMPONENT 1 video Input] or [COMPONENT 2 video Input Y, Pb, Pr] (Green/Blue/Red) terminal at the back of the TV to the [Component output] on the DVD player.
- 2 Use the sound cable to connect the [COMPONENT1 sound Input left/right] or the [COMPONENT2 sound Input left/right] (white/red) Input terminal to the [sound output] (white/red) output terminal of the DVD player.

Viewing a DVD

- 1 Turn on the TV, press the [INPUT] button, then select <COMPONENT 1> or <COMPONENT 2>. (If <component> mode is not selected, check if the component connectors are connected.)
- 2 Turn on the DVD player and press the play button on the DVD player.

Connecting an HDMI Connection

External devices may have different connecting terminals.



Connecting via HDMI

- 1 Connect the [HDMI 1] terminal at the back of the TV and the [HDMI] terminal of the external device.
- 2 Connect the TV and the external device after all other connections are done.

Watching HDMI

- 1 Turn on the TV and press [INPUT], then select <HDMI 1>.
- 2 Place a DVD title into an external device connected via HDMI and press play.

Useful Tips

- You can watch by connecting AV devices such as a set-top-box, a DVD player, an AV receiver, or DTV that supports the HDMI connection.

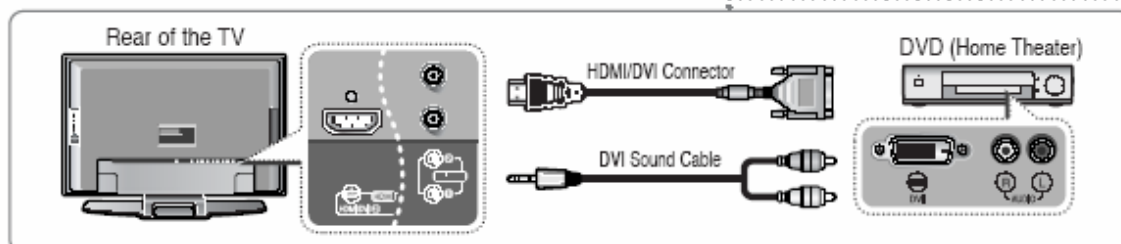
What is HDMI ?

• **HDMI (High-Definition Multimedia Interface) :**
A next generation interface that connects the digital audio and video signals using only one cable without compression. The sound signal also carries multi-channel (5:1 Channel) so that it is properly called a multimedia interface rather than a video terminal. The difference between HDMI and DVI is that the size is smaller; HDCP has an embedded cipher function and supports multi channel audio.



Connecting a DVI Connection

External devices may have different connecting terminals.



Connecting via DVI

- 1 Connect the [HDMI/DVI 2] terminal and the [DVI] output terminal of the external device.
- 2 Connect the [DVI Audio input] using the DVI audio cable (sold separately).
- 3 After this is completed, turn on the power of the TV and the external device.

Watching via the DVI connector

- 1 Turn on the TV and press [INPUT], then select <HDMI 2>.
- 2 Operate the external device connected via DVI.

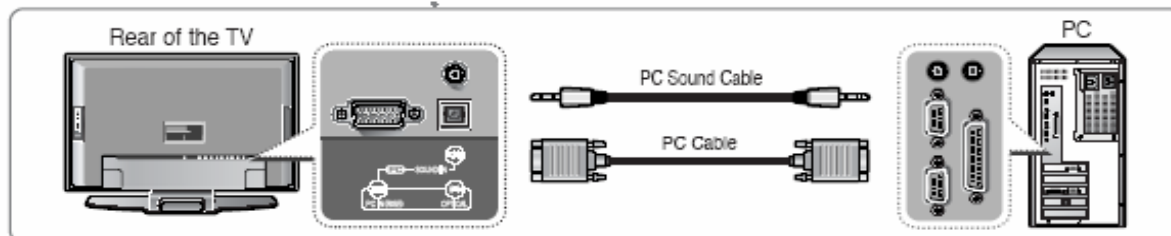
Useful Tips

- When connecting equipment using a DVI connection cable, use a DVI-HDMI gender (sold separately) or on one side HDMI other side DVI type of connection cable (HDMI/DVI connecting cable - not included in packet - sold separately)



Connecting a PC

External devices may have different connecting terminals.



Useful Tips

- Audio output is only available for PCs with a sound output terminal

Connecting a PC

- 1 Connect the [PC input] and the PC monitor output using a PC video cable.
- 2 Connect the [PC sound input] and the PC audio output using a PC sound cable.
- 3 After this is completed, turn on the power of the TV and the PC.

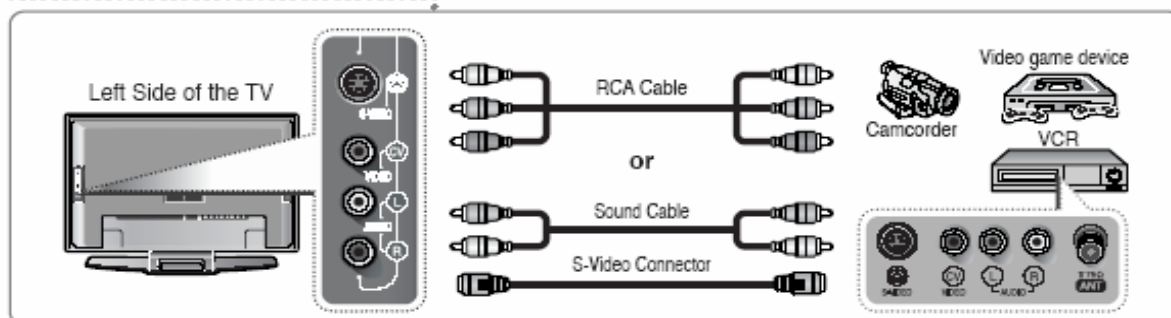
Watching a PC screen on a TV

- 1 Turn on the PC and check if your PC settings are correct.
 - If they are not correct, your screen will be doubled or distorted.
- 2 Turn on the TV and press [INPUT], then select <PC>.
- 3 Adjust the PC screen.



Connecting to the RCA or S-Video Input (Side AV3)

External devices may have different connecting terminals.



Useful Tips

- If there is a terminal called [S-Video Output], connect the TV [S-Video Input] terminal to the VCR [S-video output] terminal. Connect the sound cable to the [Video3 / S-Video Input left / right] (white / red).

For RCA Input

- 1 Connect the RCA cable to the input jacks (video + audio L/R of side AV3) on the TV and output jacks on the external equipment such as a VCR, camcorder and some video game devices.

For S-Video Input

- 1 Connect the S-Video/RCA (sound L/R of side AV3) cable to the input jacks on the TV and output jacks on the external equipment such as a VCR, camcorder and some video game devices.
- 2 If the external equipment has mono audio output, connect it only to left jack of the Audio Input/Output.



Specifications

Model name			TF-TV4708
LCD	Size		47" Diagona
	Display Size		1039.68 mm (H) x 584.82 mm (V)
	Pixel Pitch		0.5415mm(H) x 0.5415mm(V) x RGB
	Pixel Number		1920 x 1080
	Type		a-Si TFT active matrix
	Brightness		550cd / m²
	Contrast Ratio		1600 : 1 (for AI)
	Viewing Angle		R/L (178), U/D (178)
RF	Air		2 ch ~ 69 ch
	Cable		1 ch ~ 139 ch
TV	Video System		NTSC-M (Analog), ATSC (Digital)
	Sound System		MTS
VIDEO	Color System		NTSC-M
	Video System		CVBS, S-VHS
Component	Video Input		480i, 480p, 720p, 1080i
	Audio Input		500 mVrms
PC	Frequency	Horizontal	30 ~ 60 kHz
		Vertical	60 ~ 75 Hz
	Display Colors		16.7 million
	Resolution	Maximum	1280 x 1024, 60 Hz
		Optimum	1360 x 768, 60 Hz
Input Signal	Sync.		H/V Separate, TTL, P or N
	Video Signal		VHF, UHF : 75 ohm unbalanced
Audio Output			15W x 2, 8Ω(L) + 8Ω(R)
Power Supply			Internal Type AC 110 ~ 240V, 50 / 60Hz
Power Consumption			Max. 300W
Stand-by Mode			< 2W
Dimensions (W x H x D)			54.7" x 34.7" x 14.9" (including stand) 54.7" x 32.4" x 5.4" (excluding stand)
Weight			92.6 lbs
Accessories			Remote Control, 2 "AAA" Batteries, Operating Instructions Power Cord

☛ Design and specifications are subject to change without notice.