

SPECIFICATIONS

Gateway 30-inch LCD TV Specifications

Specifications are subject to change without notice or obligation.

Display Panel

Screen size	Diagonal 29.6-inch
Aspect ratio	15:9 wide
Number of pixels	1280 (Horizontal, RGB Trio) × 768 (Vertical) pixels
Pixel pitch	0.5025 × 0.5025 mm
Luminance	600 cd/m ² , at APL13% typical
Contrast ratio	750:1 typical
Response time	16 ms typical
Colors	16.7 M colors / 8 bits
Viewing angle	±85° Horizontal / ±85° Vertical

Power Source

Input voltage	90 ~ 264 Vac, 50 Hz -60 Hz
Input current	3.0 A
Power consumption	170 Watts max.
Stand-by and Power Save	3 Watts max.

Connector Types

RCA jacks for audio (12), composite video (3), and component video (6)

4-pin Din S-terminal for S-Video

15-pin D-SUB for RGB

F-terminal coax

DVI

RJ-11 for RS-232 communications

1/8-inch stereo mini-plug for PC audio

Video Signal

Type	Analog
Polarity	Positive
Amplitude	0.7 Vp-p
Sync	0.3 V below video
Input impedance	75 ohms

Y_PB_PR_P Signal (Component)

Type	Analog
Polarity	Positive
Amplitude	Y: 1 Vp-p, C: 0.350 Vp-p
Sync	0.3 V below video

RGB Signal

Type	Analog
Polarity	Positive or Negative
Amplitude	RGB: 0.7 Vp-p
Frequency	H: support to 30 k ~ 70 kHz, V: support to 50 ~ 85 Hz

Audio Signal

Analog 700 mV rms /more than 600 ohm

Pin Assignments for D-SUB Connector (In/Loop Out)

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	RED	6	RED GND	11	NC
2	GREEN	7	GREEN GND	12	SDA
3	BLUE	8	BLUE GND	13	H-SYNC
4	GND	9	+5 V for DDC	14	V-SYNC
5	GND	10	GND	15	SCL

RGB/DVI For VESA Standard

Mode No.	Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	H-Sync Polarity (TTL)	V-Sync Polarity (TTL)	Pixel Rate (MHz)
1	640 × 480	60	31.5	59.94	–	–	25.175
2	640 × 480	72	37.9	72.81	–	–	31.500
3	640 × 480	75	37.5	75.00	–	–	31.500
4	640 × 480	85	43.3	85.01	–	–	36.000
5	800 × 600	56	35.1	56.25	+	+	36.000
6	800 × 600	60	37.9	60.317	+	+	40.000
7	800 × 600	72	48.1	72.19	+	+	50.000
8	800 × 600	75	46.9	75.00	+	+	49.500
9	800 × 600	85	53.7	85.06	+	+	56.250
10	1024 × 768	60	48.4	60.01	–	–	65.000
11	1024 × 768	70	56.5	70.07	–	–	75.000
12	1224 × 768	75	60.0	75.03	+	+	78.750
13	640 × 350	70	31.50	70.00	+	–	25.175
14	640 × 480	50	31.5	50.00	–	–	25.175
15	720 × 400	70	31.46	70.08	–	+	28.320
16	1280 × 768	60	47.98	59.83	+	–	81.000
17	1280 × 768	75	60.15	75.00	+	–	102.977

Native Resolution

Mode No.	Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	H-Sync Polarity (TTL)	V-Sync Polarity (TTL)	Dot Rate (MHz)
16	1280 × 768	60	47.98	59.83	+	-	81.000
17	1280 × 768	75	60.15	75.00	+	-	102.977

RGB/DVI For Apple Standard

Mode No.	Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	H-Sync Polarity (TTL)	V-Sync Polarity (TTL)	Dot Rate (MHz)
18	640 × 480	67	35.00	66.67	-	-	30.240
19	832 × 624	72	49.73	74.55	-	-	57.283

YP_BP_R for Component

Mode	Resolution	Source	Refresh Rate
1	480i, 480p, 720p, 1080i	HDTV-in	60 Hz
2	480i, 480p Faroudja-enhanced	DVD-in	60 Hz

Maximum Resolution

Up to 1280 × 1024

Dimensions

With/Stand

Width	29.13 in. (740.0 mm)
Height	23.43 in. (595.0 mm)
Depth	7.80 in. (198.0 mm)

Package Dimensions

Width	35.43 in. (900.0 mm)
Height	12.99 in. (340.0 mm)
Depth	28.15 in. (720.0 mm)

Weight

Net weight	45.2 lbs (20.5 kgs)
------------	---------------------

Gross weight	63.9 lbs (29.0 kgs)
--------------	---------------------

Operating

Temperature	5~35°C (41~95°F)
-------------	------------------

Relative humidity	10~90%
-------------------	--------

Pressure	0~10,000 feet
----------	---------------

Non-Operating

Temperature	-20~50°C (-4~120°F)
-------------	---------------------

Relative humidity	10~90%
-------------------	--------

Pressure	0~40,000 feet
----------	---------------

Sound

2 speakers	5 W
------------	-----

Reliability Requirement

The MTBF is 50,000 hours under operation at 25±5°C (Half luminosity, motion picture)

Emissions Requirement

Your LCD TV meets the EMI limits in all screen modes as qualified by FCC class B part 15.

Many products for Gateway and its subsidiaries are custom engineered by our suppliers to Gateway specifications and may vary from similarly marketed products.

MAN 30" LCD TV SPEC R0 8/04



8510076