

Gateway 56-inch RPT TV Specifications

Specifications are subject to change without notice or obligation.

Display Panel

| | |
|-------------------|--|
| Screen size | Diagonal 56-inch |
| Aspect ratio | 4:3, 16:9 wide |
| Resolution | 1280 × 720 |
| Brightness | 400 nits typical |
| Contrast ratio | 1000:1 typical |
| Colors | 16.7 M colors / 8 bits |
| Projection system | DLP (Digital light processor) |
| Lamp | Philips UHP 100 W/120 W 1.3 E23 lamp driven by Philips 120 W ballast EUC120P/H11 |
| Lamp life | MTBF 6000 hours |
| Viewing angle | ± 50° horizontal, ± 18° vertical |

Power Source

| | |
|-------------------------|---|
| Input voltage | 90 ~ 264 Vac, 50 Hz -60 Hz auto-ranging |
| Input current | 1.7 A |
| Power consumption | 300 Watts maximum; 250 Watts typical |
| Stand-by and Power Save | 3 Watts |

Video Formats (A/V, S)

NTSC

Connector Types

| | |
|----|--|
| 27 | RCA jacks for audio, video, and YP _B P _R |
| 3 | 6-pin Din S-terminal for S-Video |
| 1 | 24-pin DVI/HDCP |
| 2 | 15-pin D-SUB for RGB |
| 1 | F-terminal coax |

Video Signal, S-Video

| | |
|-----------------|--------------------------|
| Type | Analog |
| Polarity | Positive |
| Amplitude | Y: 1 Vp-p, C: 0.286 Vp-p |
| Input impedance | 75 ohms |

YP_BP_R Signal (Component)

| | |
|-----------------|---------------------------------------|
| Type | Analog |
| Polarity | Positive |
| Amplitude | Y: 1 Vp-p, Cb: 0.7 Vp-p, Cr: 0.7 Vp-p |
| Input impedance | 75 ohms |

RGB Signal

| | |
|-----------------|----------------------|
| Type | Analog |
| Polarity | Positive or Negative |
| Amplitude | RGB: 0.7 Vp-p |
| Input impedance | 75 ohms |

Audio Signal

Analog 500 mV rms /more than 47 Kohm

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

| Pin | Signal Assignment | Pin | Signal Assignment | Pin | Signal Assignment |
|------------|--------------------------|------------|--------------------------|------------|--------------------------|
| 1 | RED | 6 | RED RETURN | 11 | ID0 |
| 2 | GREEN | 7 | GREEN RETURN | 12 | SDA/TxD |
| 3 | BLUE | 8 | BLUE RETURN | 13 | H-SYNC |
| 4 | DOWNLOAD DETECT | 9 | +5 V | 14 | V-SYNC |
| 5 | GND | 10 | SYNC RETURN | 15 | SCL/RxD |

Pin Assignments for DVI-D Connector

| Pin | Signal Assignment | Pin | Signal Assignment |
|------------|--------------------------|------------|--------------------------|
| 1 | TMDS DATA 2 – | 13 | TMDS DATA 3 + |
| 2 | TMDS DATA 2 + | 14 | + 5 V POWER |
| 3 | TMDS DATA 2/4 SHIELD | 15 | GND |
| 4 | TMDS DATA 4 – | 16 | HOT PLUG DETECT |
| 5 | TMDS DATA 4 + | 17 | TMDS DATA 0 – |
| 6 | DDC CLOCK | 18 | TMDS DATA 0 + |
| 7 | DDC DATA | 19 | TMDS DATA 0/5 SHIELD |
| 8 | NC | 20 | TMDS DATA 5 – |
| 9 | TMDS DATA 1 – | 21 | TMDS DATA 5 + |
| 10 | TMDS DATA 1 + | 22 | TMDS CLOCK SHIELD |
| 11 | TMDS DATA 1/3 SHIELD | 23 | TMDS CLOCK + |
| 12 | TMDS DATA 3 – | 24 | TMDS CLOCK – |

| RGB For VESA Standard | | | | | | |
|------------------------------|-------------------|--------------------------|-----------------------------------|--------------------------------|------------------------------|------------------------------|
| Mode No. | Resolution | Refresh Rate (Hz) | Horizontal Frequency (KHz) | Vertical Frequency (Hz) | H-Sync Polarity (TTL) | V-Sync Polarity (TTL) |
| 1 | 640 × 350 | 85 | 37.86 | 85.0 | + | - |
| 2 | 640 × 400 | 85 | 37.86 | 85.0 | - | + |
| 3 | 720 × 400 | 70 | 31.47 | 70.0 | - | + |
| 4 | 720 × 400 | 85 | 37.93 | 85.0 | - | + |
| 5 | 640 × 480 | 60 | 31.47 | 59.9 | - | - |
| 6 | 640 × 480 | 72 | 37.86 | 72.8 | - | - |
| 7 | 640 × 480 | 75 | 37.50 | 75.0 | - | - |
| 8 | 640 × 480 | 85 | 43.27 | 85.0 | - | - |
| 9 | 800 × 600 | 56 | 35.16 | 56.3 | + | + |
| 10 | 800 × 600 | 60 | 37.88 | 60.3 | + | + |
| 11 | 800 × 600 | 72 | 48.08 | 72.2 | + | + |
| 12 | 800 × 600 | 75 | 46.88 | 75.0 | + | + |
| 13 | 800 × 600 | 85 | 53.67 | 85.1 | + | + |
| 14 | 1024 × 768 | 60 | 48.36 | 60.0 | - | - |
| 15 | 1024 × 768 | 70 | 56.48 | 70.1 | - | - |
| 16 | 1024 × 768 | 75 | 60.02 | 75.0 | + | + |

| Video Input Formats | | | | |
|----------------------------|-------------------|--------------------------|-----------------------------------|---------------------------------|
| Format | Resolution | Refresh Rate (Hz) | Horizontal Frequency (KHz) | Vertical Frequency (KHz) |
| NTSC, CCIR 656 | 700 × 525 | 60 | 15.73 | 60.0 |
| 480p 4:3, SMPTE 293M | 960 × 720 | 60 | 21.47 | 59.9 |
| 720p, SMPTE 296M | 1280 × 720 | 60 | 45.00 | 60.0 |
| 1080i, SMPTE 274M | 1280 × 720 | 60 | 33.75 | 60.0 |

Maximum Resolution

Up to 1280 × 768

Dimensions

Width 56.4 in. (1381 mm)

Height 43.8 in. (1113 mm)

Depth 18.9 in. (480 mm)

Weight

Net weight 130.0 lbs (59.1 kgs)

Operating

Temperature 5~35°C (41~95°F)

Relative humidity 20~90%

Pressure 0~10,000 feet

Non-Operating

Temperature -10~60°C (14~140°F)

Relative humidity 5~90%

Pressure 0~40,000 feet

Reliability Requirement

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

Emissions Requirement

Your RPT 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 56" DLP REAR PROJ SPEC R0 12/03



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