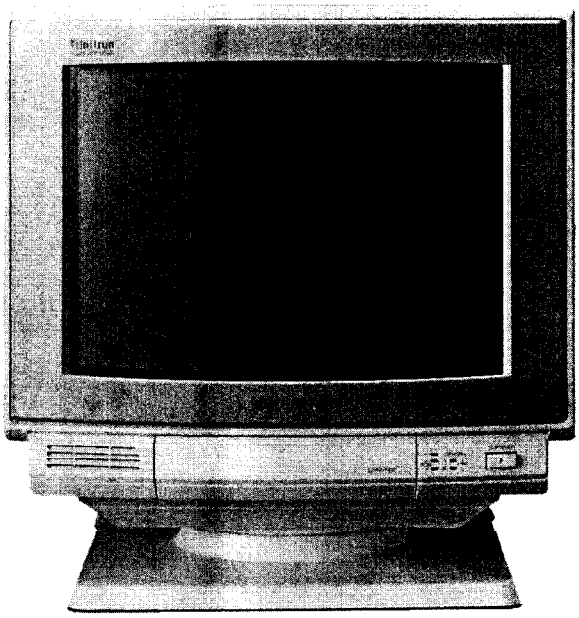
# GVM Monitors



## 13″ GVM-1311Q

**(NTSC/PAL/SECAM/NTSC$_{4.43}$)**

■ Multiple input facility with audio ■ Multiscan capability; horizontal 15 kHz–36 kHz, vertical 50 Hz–100 Hz ■A high resolution of 600 TV lines/1024 x 768 pixels ■Can be used with IBM PC with CGA/EGA card, IBM PS/2, and Apple Macintosh II color mode ■8/16/64-color and monochrome display capability ■VGA Audiosize function in RGB A mode ■Horizontal and vertical size/shift controls in RGB mode ■Slot type RGB input for future I/F board ■Sub picture control for RGB mode ■Built-in speaker and earphone jacks for audio monitoring ■Minimizes VLF (Very Low Frequency)/ELF (Extreme Low Frequency) interference

**Optional Accessories:**
RM-787 Wired Remote Control Unit
SU-552 Tilt Swivel Stand

# Specifications for Color Video Monitors

| SPECIFICATIONS / MODEL | | | | GVM-1311Q | GVM-1316TSQ | GVM-2020 |
|---|---|---|---|---|---|---|
| Video signals | | | | EIA 525 lines, 60 fields/CCIR 625 lines, 50 fields (switching of EIA to CCIR or vice versa is automatically done) | | EIA 525 lines, 60 fields |
| Color system | | | | NTSC/PAL/SECAM/NTSC$_{4.43}$*3 (automatically selected) | | NTSC |
| Picture tube | | | | 14" Super Fine Pitch Trinitron CRT, visible picture size 13" measured diagonally, AG pitch 0.25mm | | 54.5cm (21"), Fine Pitch Trinitron tube, visible picture size 50.6cm (20") measured diagonally, 100° deflection |
| Horizontal resolution | | | | 600 TV lines (Video inputs) 1024 x 768 pixels (RGB inputs) | | 560 TV lines (Video inputs) 720 x 480 pixels (RGB inputs) |
| Scanning frequency | | | | Horizontal: 15 kHz to 36 kHz Vertical: 50 Hz to 100 Hz | | |
| Audio power output | | | | 0.5W, 8Ω, monaural | | 2.0W with built-in speaker |
| Power requirements | | | | AC-120, 50/60 Hz | | |
| Power consumption | | | | 95W | 103W | 160W |
| Dimensions (WHD) | | | | 379 x 365 x 411mm (15" x 14⅜" x 16¼") | 379 x 365 x 421mm (15" x 14¾" x 16⅝") | 510 x 475 x 510mm (20⅛" x 18¾" x 20⅛") |
| Weight | | | | Approx. 37 lb. 8 oz. (17 kg.) | Approx. 40 lb. 13 oz. (18.5 kg.) | Approx. 66 lb. 2 oz. (30.0 kg.) |
| VIDEO | IN | LINE A | BNC | Composite 1.0Vp-p, sync negative, Automatic 75Ω termination*2 | — | Composite 1.0Vp-p, sync negative, Automatic 75Ω termination*2 |
| | | LINE B*1 | Mini DIN 4-pin | Y/C: Y (Luminance signal): 1.0Vp-p, sync negative, 75Ω switchable C (Chrominance signal): NTSC; 0.286Vp-p, 75Ω, switchable PAL; 0.3Vp-p, 75Ω, switchable | | Y/C: Y (Luminance signal): 1.0Vp-p, sync negative, 75Ω switchable C (Chrominance signal: NTSC: 0.286Vp-p, 75Ω switchable |
| | | | BNC | — | — | Composite 1.0Vp-p, sync negative, Automatic 75Ω termination*2 |
| | OUT | LINE A | BNC | Loop-through | | |
| | | LINE B | Mini DIN 4-pin | Loop-through | | |
| | | | BNC | — | | Loop through |
| RGB | IN | RGB A | 9-pin D | Analog RGB: 0.7Vp-p, positive, 75Ω Digital RGB: TTL level, positive Sync: Analog level: 1.0Vp-p, negative, 75Ω Sync on Green: 0.3Vp-p, negative, 75Ω TTL level: negative/positive | | Analog RGB: 0.7Vp-p, positive, 75Ω Digital RGB: TTL, positive Sync: Composite sync; 1.0Vp-p, negative, 75Ω H/V separate sync; TTL, negative/positive |
| | | RGB B | 25-pin D | Analog RGB: 0.7Vp-p, positive, 75Ω Digital RGB: TTL level, positive Sync: Analog level: 1.0Vp-p, negative, 75Ω Sync on Green: 0.3Vp-p, negative, 75Ω TTL level: negative/positive | | — |
| | | | BNC | — | — | RGB: 0.7Vp-p, positive, 75Ω Sync: Composite sync; 1.0Vp-p, negative, 75Ω H/V separate sync; TTL, negative/positive Sync on Green: 0.3Vp-p, negative, 75Ω |
| AUDIO | IN | LINE A | Phono | −5 dBs, high impedance | | |
| | | LINE B | Phono | −5 dBs, high impedance | | |
| | | RGB A | Phono | −5 dBs, high impedance | | |
| | | RGB B | Phono | −5 dBs, impedance >47 kΩ | | −5 dBs, high impedance |
| | OUT | LINE A | Phono | Loop-through | | |
| | | LINE B | Phono | Loop-through | | |

| | Touch screen for GVM-1316TSQ |
|---|---|
| External computer interface | RS232C port, D-sub 25-pin Baud rate: 9600 bps, Communication Protocol: Binary |
| Material | Glass (non-glare), 3.2mm thick |

*1The Y/C input has priority over the composite input.
*275Ω termination is automatically set to OFF when connection is made to the OUT connector.
*3The NTSC$_{4.43}$ system refers to an NTSC color system in which the subcarrier frequency is modified to 4.43 MHz.

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