

Pointmaker Scan Rate/Resolution Compatibility Chart

Effective October 31, 2004

(NTSC models only; specifications subject to change without notice.)



| Pointmaker Model | Video Resolution | Use | Interlaced | Horiz. Scan Rate (kHz) | Vert. Scan Refresh Rate (Hz) | Connector |
|---|---|-------------|------------|------------------------|------------------------------|--|
| PVI-40*, PVI-44, PVI-64, PVI-83, and PVI-X90 | NTSC (composite) 525 lines per frame | TV | + | 15.734 | 60 | 1 BNC |
| PVI-44, PVI-64, PVI-83 and PVI-X90 | NTSC Y/C 525 lines per frame | TV | + | 15.734 | 60 | 4-pin mini din |
| PVI-46, PVI-83 and PVI-X90 (This chart does not describe the scaled video output of the PVI-X90 – only the VGA pass-through capabilities.) | NTSC RGB | TV | + | 15.734 | 60 | 4 or 5 BNC |
| | VGA 640 x 350 | Computer | | 31.5 | 70 | The PVI-46 uses only HD-15 connectors. The PVI-83 can use 4 or 5 BNC connectors, DB-15, or HD-15 connectors. Computer connections can accommodate composite sync or separate horizontal/vertical (H/V) sync. The PVI-X90 uses HD-15 connectors. This unit scales video input to a higher computer output, so input connectors may differ from output connectors. This model does not output composite, Y/C, or RGB video. |
| | VGA 640 x 400 | Computer | | 31.5 | 70 | |
| | VGA 640 x 400 | Computer | | 37.9 | 85 | |
| | VGA 640 x 480 | Computer | | 31.5 | 60 | |
| | VGA 640 x 480 | Computer | | 37.9 | 72 | |
| | SVGA 800 x 600 | Computer | | 35.2 | 56 | |
| | SVGA 800 x 600 | Computer | | 37.9 | 60 | |
| | SVGA 800 x 600 | Computer | | 48.1 | 72 | |
| | XGA 1024 x 768 | Computer | + | 35.5 | 87/43 | |
| | SVGA 1024 x 768 | Computer | | 48.4 | 60 | |
| | SVGA 1024 x 768 | Computer | | 56.4 | 70 | |
| | DEC 1024 x 768 | Computer | | 57.4 | 72 | |
| | SVGA 1024 x 768 | Computer | | 60.0 | 75 | |
| | SVGA 1024 x 768 | Computer | | 68.7 | 85 | |
| | APOLLO 1024 x 800 | Computer | | 63.9 | 76 | |
| | DEC 1024 x 864 | Computer | | 54.0 | 60 | |
| | SVGA 1152 x 864 | Computer | | 67.5 | 75 | |
| | SVGA 1152 x 900 | Computer | | 61.8 | 66 | |
| | SVGA 1152 x 900 | Computer | | 71.7 | 76 | |
| | SVGA 1280 x 1024 | Computer | | 63.9 | 60 | |
| | SGI 1280 x 1024 | Computer | | 76.9 | 72 | |
| | SUN 1280 x 1024 | Computer | | 81.0 | 76 | |
| | SVGA 1280 x 1024 | Computer | | 91.1 | 85 | |
| | IBM 1360 x 1024 | Computer | | 70.8 | 67 | |
| | SVGA 1600 x 1200 | Computer | | 75.0 | 60 | |
| | SVGA 1600 x 1200 | Computer | | 81.3 | 65 | |
| SVGA 1600 x 1200 | Computer | | 87.5 | 70 | | |
| SVGA 1600 x 1200** | Computer | | 93.8 | 75 | | |
| SVGA 1600 x 1200** | Computer | | 106.3 | 85 | | |
| Mac 640 x 480 | Computer | | 35.5 | 67 | | |
| Mac 832 x 624 | Computer | | 44.9 | 67 | | |
| Mac 832 x 624 | Computer | | 49.7 | 75 | | |
| PVI-83 | Analog HD 480p | High-Res TV | | 60 | 31.469 | The PVI-83 supports YUV and RGB at the listed scan rates. |
| | Analog HD 720p | High-Res TV | | 60 | 45 | |
| | Analog HD 720p | High-Res TV | | 50 | 37.5 | |
| | Analog HD 720p | High-Res TV | | 30 | 22.5 | |
| | Analog HD 720p | High-Res TV | | 25 | 18.75 | |
| | Analog HD 1080i | High-Res TV | | 50 | 31.25 | |
| | Analog HD 1080i | High-Res TV | | 60 | 33.75 | |
| PVI-65 | HDSDI 480i | Broadcast | | | | |
| | HDSDI 480p | Broadcast | | | | |
| | HDSDI 525i | Broadcast | | | | |
| | HDSDI 525p | Broadcast | | | | |
| | HDSDI 720p | Broadcast | | | | |
| | HDSDI 1080i | Broadcast | | | | |

* The PVI-40 is compatible with RGB sources and displays with sync on green.

** These scan rates require separate horizontal (H) and vertical (V) sync, and are not currently available in the PVI-46 model.