



## Features and Benefits

## Models SGT18QX, SGT18QXT

- Comfortable **18.1” viewable** display area.
- High resolution - 1280x1024 (**SXGA**).
- The only flat panel in its class to accommodate a **1600x1200 (UXGA) input**.
- **Compatible with SMARTGLAS Video Processors** providing an array of unique and powerful display solutions.
- **Dual input** with convenient single button push to switch between sources.
- The only flat panel that can **display multiple sources simultaneously** when used in conjunction with a SMARTGLAS Video Processor.
- **Analog AND digital input** compatibility provides a versatile, long-lasting display choice.
- Compatible with all of the leading Panellink-based (TMDS) **digital standards: P&D, DVI, DFP**
- The first flat panel to provide **extremely versatile scaling**.
  - Scales like a CRT. All resolutions look great! No compromises.
  - Scale down to view an entire 1600x1200 image.
  - Offers 3 scaling modes for non-SXGA inputs:
    - 1) *Fill screen* for the average user,
    - 2) *Maintain aspect ratio* for users requiring graphical accuracy (i.e. a circle looks like a circle) but wanting to fill as much of the display as possible,
    - 3) *None* for users who might prefer to maintain the exact size of the incoming image.
  - Via the on-screen display settings, allows the user to adjust to their liking the sharpness or softness of scaled images.
- **Automatic power recovery** allows the Tile to power back up without user intervention once power is restored following a power outage.
- **Full range of synchronization** compatibility.
  - Separate horizontal and vertical sync format
  - Composite sync format
  - Sync-on-green format
- **Embedded Power Saver** provides an opportunity to significantly extend the life of the product by allowing the user to program backlight on/off times directly into the display.
  - Includes provisions for handling power states on Saturday and/or Sunday differently than weekdays.
  - Clock settings are maintained through power cycles and even for days after power has been disconnected from the Tile.
- All **locking cable connections** to the Tile prevent accidental cable disconnection.
- Comes standard with the popular **PixelVision protective element** that protects the delicate LCD from damage while maintaining the highest standards in anti-glare and anti-reflective qualities.
- Provides either on-screen or electronic access to **equipment inventory information**.
  - Serial number, model name and hardware revision are reported.
  - A user-defined name can be assigned to the unit.





**Preliminary Information**  
**Not intended for general distribution**

- Access to operational data allows for **proactive equipment servicing**.
  - Tile temperature can be monitored to draw attention to unusual operating conditions.
  - The cumulative number of hours of backlight operation highlight replacement candidates.
- Available with a desk stand for quick setup **or without a desk stand** for convenience in other mounting scenarios.
- Compatible with both **VESA mounting** standards (75mm and 100mm hole spacing) to accommodate a wide variety of mounting alternatives.
- **Display color temperature can be adjusted** to the user's personal preference via the on-screen display settings.
- **Optional touch screen** featuring finger or pen touch.



**PIXELVISION.**



## Preliminary Specifications

## Models SGT18QX, SGT18QXT

Display Modes VGA, SVGA, XGA, Sun, SXGA, UXGA

### Screen

Technology Active Matrix Thin Film Transistor Liquid Crystal Display (AMTFT LCD)

Viewable image size

- Horizontal 14.1 inches (359.0 mm)
- Vertical 11.3 inches (287.2 mm)
- Diagonal 18.1 inches (459.7 mm)

Addressable Pixels 1280 pixels across by 1024 lines down

Pixel pitch 0.28 mm

Brightness 235 cd/m<sup>2</sup> (typical); 180 cd/m<sup>2</sup> (minimum)

Contrast Ratio (CR) 300:1 (typical)

Response Time  $t_{rise} = 35\text{ ms}$ ;  $t_{fall} = 35\text{ ms}$  (typical)

Viewing Angle @ CR  $\geq 10$  80° up; 80° down; 80° left; 80° right

Colors 16.7 million

Backlight Type Six Cold Cathode Fluorescent Tubes (CCFT)

Backlight Life 50,000 hours (typical)

### Power

Power 60 Watts (maximum); 8 Watts (off mode)

Power Supply Universal, External 12Vdc (UL, CSA, TUV, CE)

Power Savings VESA DPMS

### Physical Features

Weight

- Tile 16.5 lbs. (7.5 kg.)
- Stand 5.0 lbs. (2.3 kg.)
- Tile with stand 21.5 lbs. (9.8 kg.)

Tilt -5° forward; 45° backward

Swivel -45° left; 45° right

Environmental

- Operating temperature 32° to 104°F (0° to 40°C)
- Storage temperature -4° to 140°F (-20° to 60°C)
- Humidity 80% (maximum)

### Input Ports

Computer 1 (analog) VGA 15-pin D-sub

Computer 2 (digital) 20-pin MDR

Serial DB-9

Touch Pen RJ-45

Power 12Vdc locking

### Other

Auto adjust Yes

Lockable controls Yes

Plug and Play VESA DDC 1/2B

Limited warranty 3 years (parts/labor/backlight)

Tile regulatory approvals FCC-B, CE-B, UL, CUL, VCCI-II



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