

Colour Television

29EF100

NICAM

**MATCH**  **LINE**

- *Black Matrix Real Flat picture tube*
- *100Hz Digital Scan\**
- *NTSC Progressive Scan\**
- *CrystalClear III with Dynamic Contrast*
- *Digital Comb Filter*
- *Virtual Dolby Surround*
- *Active Control*
- *Component Video Input*

**REAL  
FLAT**

**100** *DIGITAL*  
*Hz* **SCAN**

  
CRYSTALCLEAR

**VIRTUAL**  
  
**DOLBY**  
**SURROUND**

**active**  
  
**control**



*Let's make things better.*



**PHILIPS**

## Product highlights

- **Black Matrix Real Flat picture tube**  
Undistorted and reflection free picture for maximum viewing comfort. DAF (Dynamic Astigmatic Focus) for excellent picture quality.
- **100Hz Digital Scan\***  
Eliminates picture flickering and line jitter offering a stable picture for relaxed viewing (no eye strain).
- **NTSC Progressive Scan\***  
Doubles the number of visible picture lines per field. A jitterfree and quiet picture with astonishing sharpness.
- **CrystalClear III (with Digital Comb Filter)**  
Package includes Dynamic Contrast and SCAVEM (Scan Velocity Modulation) offering a crisp and natural picture. The Digital Comb Filter provides for better separation of brightness and colour signals to eliminate cross-colour, cross-luminance and dot crawl distortion.

- **Virtual Dolby Surround™**  
Dolby™ processing circuitry for enhanced surround sound effect creates the sensation of Dolby Pro Logic™ with just 2 front speakers and a subwoofer for materials encoded with Dolby\* Pro-Logic or Dolby Surround.
- **Active Control**  
Continuous incoming picture and signal analysis. Controls: Automatic Digital Noise Reduction & Auto Sharpness. Automatically offers the best menu shows you the real-time adjustments of the parameters based on signal analysis.
- **Smart Controls**  
Easy selection of pre-defined optimal settings for Picture and Sound via Control keys.
- **Component Video Input**  
Support advanced video input (such as DVD-video) for superb colour performance.

## Supporting Features

- **Digital Colour Transient Improvement (CTI)**
- **Digital Histogram**
- **Picture freeze**
- **Auto Aspect Ratio Adaptation (and 16:9 compress, 4:3 expand)**
- **Incredible Surround**
- **Dynamic Bass Enhancement**
- **Automatic Volume Leveller (AVL)**
- **Independent headphone volume control**
- **EasyTune (Auto Search, Auto Tune, Auto Install)**
- **Alternate Channel**
- **Smart Surf**
- **Low power standby (<1W)**
- **30W RMS sound output**

## Technical specifications

### Picture

- Picture Screen Diameter : 29"/72cm
- Visible screen size : 68cm
- Picture Tube : Real Flat 4:3
- DAF CRT gun
- 100Hz Digital Scan\*
- 60Hz Progressive Scan\*
- Crystal Clear
  - Scavem
  - Digital Combfilter
  - Dynamic Contrast
  - Colour Enhancements: Green/Blue Stretch
- Digital Colour Transient Improvement (CTI)
- Digital Histogram
- Active Control
  - Auto Sharpness
  - Auto DNR
- Digital Noise Reduction (DNR)
- Tint Control (3 modes)

### Sound

- Virtual Dolby\* Surround
- Incredible Surround
- Stereo - Digital NICAM
- Sound Output: 30 Watts RMS
- Dynamic Bass Enhancement (DBE)
- Active Subwoofer: 10 Watts RMS
- Loudspeakers: 2 x Full range 2x5" + subwoofer 1x4"

### Features

- Double Window PIP (for 29PT8419 only)
- 100 page Teletext (when available) for /69, /56, /79
- Close Caption (when available) for /71, /61

### Ease of Use

- Smart Picture (5 modes)
- Smart Sound (4 modes)
- Multi-language OSD & menu control
- Sleep timer and Timer
- Childlock
- 100 presets
- Favourite Program List
- Remote Control

### Connectivity

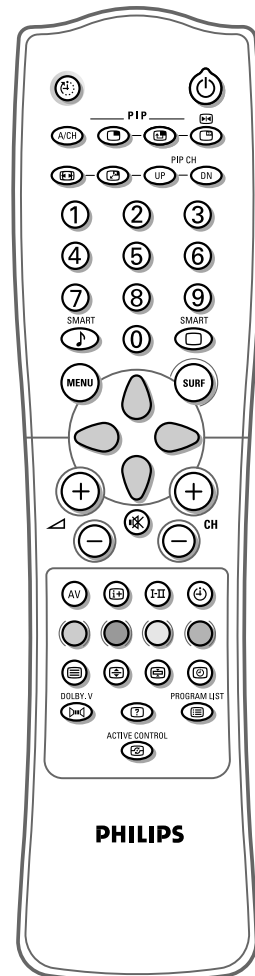
- Rear: Monitor Out- CVBS + Audio L/R  
AV1 - CVBS + YUV + Audio  
AV2 - CVBS + Y/C+ Audio L/R  
Antenna input: 75 ohm (Coax)
- Side: CVBS + Y/C + Audio L/R  
Stereo headphone out (3.5mm jack)

### Reception

- Tuning system: PLL
- Colour transmission system off-air:
  - PAL B/G/I/D/K, SECAM B/G/D/K, NTSC M (except for /71, /61 NTSC M)
- A/V connections:
  - NTSC 3.58/4.43, PAL60
- Stereo sound transmissions systems off-air:
  - NICAM B/G/I/D/K, 2CS B/G/D/K (except for /71 BTSC DBX & for /61 Korea 2CS)
- Channel selections:
  - VHF, UHF, S-Channels, Hyperband

### Miscellaneous

- Ambient Temperature : +5/+45°C
- Mains: AC 160-276V, 50/60 Hz (except for /71 & /61 90-276V, 50/60Hz)
- Power Consumption:
  - Normal Operation : <150W
  - Standby : 0.8W
- Net Weight : 58kg
- Gross Weight : 48kg
- Set Dimension : 788 x 502 x 590 (W X H X D mm)
- Box Dimension : 894 x 640 x 775 (W X H X D mm)
- Container loading (per 40ft, loose) : 135 sets



RCS82D

\* 100Hz Digital Scan for /69, /56, /57, /79 & 60Hz Progressive Scan for /71, /61.

'Virtual Dolby Surround', 'Dolby' and 'Dolby Pro-Logic' are trademarks of Dolby Laboratories Inc.

+ Specifications are subject to change without prior notice

Website address : <http://www.philips-star.com>