# ORION

## ORION LCD2028D.

## Features

- *20" LCD TV with remote control function and built-in DVD player*
- *Comprehensive IN/OUT system (SCART, VGA, S-VIDEO , VIDEO)*
- *4 pre-set picture modes (one of them is customized)*
- *4 pre-set sound modes (one of them is customized)*
- *On-touch mute function*
- *Sleep timer (for setting time duration, at the end of which the TV set automatically turns into "stand by" mode)*
- *Power supply – AC 110V-260V, 50-60 Hz*

*TV*
- *Multisystem (PAL/SECAM B/G, D/K)*
- *99channels memory (VHF, UHF and CATV)*
- *CATV ready*
- *Automatic and semi-automatic program tuning (semi-automatic program tuning in both directions)*
- *Program skip and sort*
- *Convenient and easy controlling the TV set through the on-screen display (OSD) menu system*
- *Russian/english/etc OSD*
- *Direct program choice*
- *"Recall" function (switching between last and current programs)*
- *Teletext*
- *NICAM/IGR*

*DVD*
- *DVD Video; DVD-R; VCD; SVCD; CDDA; MP3; CVD; CD-R; CD-RW; JPEG; HDCD;Kodak Picture CD; MPEG4 (DivX® - DivX 3.11, DivX 4.x, DivX 5.x, DivX 6.x, XviD)*
- *NTSC/PAL compatible playback (capability of playback of NTSC disc format and PAL disc format)*
- *Screen display formats: 4:3 Letter Box; 4:3 Pan-Scan; 16:9 Wide Screen*
- *2-wave 1-laser reading system*
- *Multi-speed fast forward/reverse scan*
- *On-touch "Frame-by-Frame" playback*
- *Chapter fast forward/reverse scan*
- *Direct choice (by title/chapter/time)*
- *Zoom function*
- *Screen Saver*
- *Russian/english/etc OSD*

# Technical Characteristics

| Panel & Display | LG-Philips (A Grade) |
|---|---|
| Active screen size | 20.1 inches (510.54mm) diagonal |
| Outline Dimension | 432.0(H) x 331.5(V) x 25.0(D) mm (Typ.) |
| Aspect Ratio | 4:3 |
| Pixel Pitch | 0.255 mm x 0.255 mm |
| Display Resolution | 1600 horizontal By 1200 vertical Pixels RGB stripe arrangement |
| Response Time (G-to-G) | 8 ms |
| Display Colours | 16,777,216 colors |
| Brightness | 300 cd/m2 (Typ.) |
| Contrast Ratio | 800:1 (Typ.) |
| Viewing Angle | H=178; V=178 |
| **TV System** | |
| TV System | PAL BG/DK/I SECAM BG/DK/L/L' |
| Tuner's frequencies | VHF(L): 46.25-168.25MHz; VHF(H): 175.25-463.25MHz; UHF: 471.25-863,25MHz CATV: Mid band: X- Z, S1- S10; Super band: S11- S20; Hyper band: S21- S41 |
| Stereo Decode | NICAM/A2 |
| Number of Channel | 99 |
| TeleText | Yes |
| **Audio** | |
| Sound Mode | Yes |
| Tone Control | Yes |
| Audio Output Power(Internal) | 2×3W |
| **Basic Function** | |
| Picture Mode | Yes |
| HDTV Compatible | 480i, 480p, 720p, 1080i |
| PC Resolution Supporting | up to 1680*1050 60hz |
| OSD Language | English/Russia/Ukrainian |
| **Built-in DVD** | |
| Formats | DVD Video; DVD-R; VCD; SVCD; CDDA; MP3; CVD; CD-R; CD-RW; JPEG; HDCD; Kodak Picture CD; MPEG4 (DivX® - DivX 3.11, DivX 4.x, DivX 5.x, DivX 6.x, XviD) |
| Miultizone | + |
| NTSC/PAL compatible playback | + |
| Screen display formats | 4:3 Letter Box; 4:3 Pan-Scan; 16:9 Wide Screen |
| OSD Language | English/Russia/Ukrainian |
| 32 languages subtitles | + |
| Screen Saver | + |
| **Connection Terminals** | |
| SCART | ×1 (SCART Video: Video 1.0 Vp-p 75 Ohms SCART RGB: R.G.B 0.7 Vp-p 75 Ohms SCART Audio: R/L 200 mVrms (max 3.0 Vp-p) 47 kOhms) |
| PC In (VGA) | × 1 (D-sub 15Pin; 640x480 / 60Hz; 800x600 / 60Hz; 1024x768 / 60Hz) |
| Composite Video In | ×1 (1.0 Vp-p, 75 Ohms, RCA) |
| S-Video In | ×1 (Y: 1.0 Vp-p 75 Ohms ; C: 0.3 Vp-p 75 Ohms ) |
| Audio In (for Composite Video In, S-Video In) | × 1 (Stereo R/L 200 mVrms (max 3.0 Vp-p),47 kOhms, RCA) |
| Audio In (for PC In) | × 1 (200 mVrms (max 3.0 Vp-p), 47 kOhms, 3.5 mm Phone Jack) |
| RF | ×1 (TV/CATV 75 Ohms coax) |
| **Other** | |
| Safety/EMC Standard | CE standard |
| Power Supply | 110-260V 50/60Hz |
| Power Consumption | < 60W |