| Model | LCD3210-BK (LCD3210-BK-IT) | LCD4020-BK-AV (LCD4020-BK-IT) | LCD4620-BK-AV (LCD4620-BK-IT) | LCD5710-BK (LCD5710-BK-IT) |
|---|---|---|---|---|
| **Display** | | | | |
| Viewable Size Image | 31.5" | 40" | 46" | 57" |
| Pixel Pitch | 0.511 | 0.648mm | 0.746mm | 0.6525mm |
| Pixels Per Inch | 50 @ native resolution | 40 @ native resolution | 34 @ native resolution | 39 @ native resolution |
| Brightness (typical) | 500 cd/m² | 500 cd/m² | 500 cd/m² | 450 cd/m² |
| Contrast Ratio (typical) | 600:1 | 1200:1 | 1200:1 | 900:1 |
| Viewing Angle (typical) | 176° Vert., 176° Hor. (88U/88D/88L/88R)@ CR > 10 | 178° Vert., 178° Hor. (89U/89D/89L/89R)@ CR > 10 | 178° Vert., 178° Hor. (89U/89D/89L/89R)@ CR > 10 | 178° Vert., 178° Hor. (89U/89D/89L/89R)@ CR > 10 |
| Response Time (typical) | Rapid Response (18ms) | Rapid Response (16ms) | Rapid Response (16ms) | Rapid Response (16ms) |
| Display Colors | 256 RGB Level, more than 16 million | 256 RGB Level, more than 16 million | 256 RGB Level, more than 16 million | 256 RGB Level, more than 16 million |
| Active Screen Area (W X H) | 760 x 450mm | 886.5 x 497.8mm | 1018.5 x 574mm | 1252.8 x 704.7mm |
| Bezel Width (L/R, T/B) | 45.66mm, 43.372mm | 15.5mm, 15.5mm | 16.5mm, 17mm | 52.5mm, 44mm |
| Screen Aspect Ratio | 16:9 | 16:9 | 16:9 | 16:9 |
| **Synchronization Range** | | | | |
| Horizontal | -15.625, 15.744, 31.5-91.1 KHz (Analog, LCD3210-BK)/-31.5-91.1 KHz (Analog, LCD3210-BK-IT)/-31.5-91.1 KHz (Digital) | -15.625, 15.744, 31.5-91.1 KHz (Analog, LCD4020-BK-AV)/-31.5-91.1 KHz (Analog, LCD4020-BK-IT)/-31.5-91.1 KHz (Digital) | -15.625, 15.744, 31.5-91.1 KHz (Analog, LCD4620-BK-AV)/-31.5-91.1 KHz (Analog, LCD4620-BK-IT)/-31.5-91.1 KHz (Digital) | -15.625, 15.744, 31.5-91.1 KHz (Analog, LCD4610-BK)/-31.5-91.1 KHz (Analog, LCD4610-BK-IT)/-31.5-91.1 KHz (Digital) |
| Vertical | 50-85 Hz Analog/Digital | 50-85 Hz Analog/Digital | 50-85 Hz Analog/Digital | 50-85 Hz Analog/Digital |
| **Input Signal** | | | | |
| Video | ANALOG RGB 0.7 Vp-p / 75 Ohms | ANALOG RGB 0.7 Vp-p/75 Ohms, Digital, S-Video, HDMI, Composite, Component, Audio | ANALOG RGB 0.7 Vp-p/75 Ohms, Digital, S-Video, HDMI, Composite, Component, Audio | ANALOG RGB 0.7 Vp-p / 75 Ohms |
| Sync | Separate sync: TTL Level (Positive/Negative)<br>Composite sync: TTL Level (Positive/Negative)<br>Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive) | Separate sync: TTL Level (Positive/Negative)<br>Composite sync: TTL Level (Positive/Negative)<br>Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive) | Separate sync: TTL Level (Positive/Negative)<br>Composite sync: TTL Level (Positive/Negative)<br>Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive) | Separate sync: TTL Level (Positive/Negative)<br>Composite sync: TTL Level (Positive/Negative)<br>Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive) |
| **Input** | | | | |
| RGB1 | DVI-D | DVI-D | DVI-D | DVI-D |
| RGB2 | Analog D-sub | Analog D-sub | Analog D-sub | Analog D-sub |
| RGB3 | Analog BNC | Analog BNC | Analog BNC | Analog BNC |
| Video 1* | Composite RCA or S-Video | Composite (Shared RCA and BNC), S-Video, HDMI | Composite (Shared RCA and BNC), S-Video, HDMI | Composite RCA or S-Video |
| Component Video 1 (DVD/HD)* | Component BNC | Component (RCA) | Component (RCA) | Component BNC |
| Audio* | Audio 1 (minijack), Audio 2 and 3 Stereo (RCA) | Audio 1 (minijack), Audio 2 and 3 Stereo (RCA), HDMI | Audio 1 (minijack), Audio 2 and 3 Stereo (RCA), HDMI | Audio 1 (minijack), Audio 2 and 3 Stereo (RCA) |
| External Control | Internal Speaker: None<br>RS232, DDC/CI | Internal Speaker: None<br>RS232, DDC/CI | Internal Speaker: None<br>RS232, DDC/CI | Internal Speaker: None<br>RS232, DDC/CI |
| **Output** | | | | |
| RGB | Daisychain RGB3 | Daisychain BNC - RGB3 | Daisychain BNC - RGB3 | Daisychain RGB2, RGB3 |
| Video* | Daisychain Video1 | Daisychain BNC (Composite) - Video1 | Daisychain BNC (Composite) - Video1 | Daisychain Video1 |
| Audio* | Daisychain - Selected Audio in | Daisychain - Mini Pin Jack | Daisychain - Mini Pin Jack | Daisychain - Selected Audio in |
| Control | RS232 for multiple monitor control | RS232 for multiple monitor control | RS232 for multiple monitor control | RS232 for multiple monitor control |
| Audio Amplifier* | 7W x 7W | 15W x 15W | 15W x 15W | 7W x 7W |
| **Resolutions Supported** | 720 x 400 @ 70-85 Hz<br>640 x 480 @ 60-85 Hz<br>800 x 600 @ 50-85 Hz<br>832 x 624 @ 74.5 Hz<br>1024 x 768 @ 50-85 Hz<br>1280 x 1024 @ 50-85 Hz<br>1600 x 1200 @ 60 Hz (Compressed)<br>1280 x 768 @ 50-85 Hz<br>1360 x 768 @ 50-85 Hz<br>NTSC/PAL, SECAM, 4.43 NTSC, Pal60<br>HDTV, 480i, 480p, 720p, 1080i (not available on LCD3210-BK-IT) | 640 x 400 @ 56.2 Hz<br>720 x 400 @ 70-85 Hz<br>640 x 480 @ 50-85 Hz<br>800 x 600 @ 50-85Hz<br>832 x 624 @ 74.5 Hz<br>1024 x 768 @ 50-85 Hz<br>1152 x 870<br>1600 x 1200 @ 50-85 Hz<br>1280 x 768 @ 50-85 Hz<br>1360 x 768 @ 50-85 Hz<br>1920 x 1080 @ 60Hz (compressed)<br>NTSC/PAL, SECAM, 4.43 NTSC, Pal60<br>HDTV, 480i, 480p, 720p, 1080i, 1080p (not available on LCD4020-BK-IT) | 640 x 400 @ 56.2 Hz<br>720 x 400 @ 70-85 Hz<br>640 x 480 @ 50-85 Hz<br>800 x 600 @ 50-85 Hz<br>832 x 624 @ 74.5 Hz<br>1024 x 768 @ 50-85 Hz<br>1152 x 870<br>1600 x 1200 @ 50-85 Hz<br>1280 x 768 @ 50-85 Hz<br>1360 x 768 @ 50-85 Hz<br>1920 x 1080 @ 60 Hz (compressed)<br>NTSC/PAL, SECAM, 4.43 NTSC, Pal60<br>HDTV, 480i, 480p, 720p, 1080i, 1080p (not available on LCD4620-BK-IT) | 720 x 400 @ 70-85 Hz<br>640 x 480 @ 60-85 Hz<br>800 x 600 @ 50-85 Hz<br>832 x 624 @ 74.5 Hz<br>1024 x 768 @ 50-85 Hz<br>1280 x 1024 @ 50-85 Hz<br>1600 x 1200 @ 60 Hz (Compressed)<br>1280 x 768 @ 50-85 Hz<br>1360 x 768 @ 50-85 Hz<br>1920 x 1080 % 50-60 Hz<br>NTSC/PAL, SECAM, 4.43NTSC, Pal60<br>HDTV, 480i, 480p, 720p, 1080i (not available on LCD5710-BK-IT), 1080p |
| **Native Resolution** | 1366 x 768 | 1366 x 768 | 1366 x 768 | 1920 x 1080 |
| **Recommended Resolution** | 1360 x 768 or 1366 x 768 | 1360 x 768 or 1366 x 768 | 1360 x 768 or 1366 x 768 | 1920 x 1080 |
| **Additional Features** | Power Management, Plug and Play (DDC/CI, DDC2B), PIP (Remote), Multi-level Zoom, FullScan, TileMatrix, TileComp, Screen Saver, Rapid Response, Video Ready (no tuner), Infrared remote control included, removeable stand included, portrait-capable | Expansion slot, ultra-thin bezel, programable lookup tables, Plug and Play (DDC/CI, DDC2B), PIP (remote), POP, 6-axis color control, multi-level zoom, FullScan, CableComp, TileMatrix (5x5), TileComp, video ready, scheduler (w/ RTC), OmniColor (NCM), sharpness/softness, off-timer (countdown), screen saver, vacation switch, 10-bit gamma, AutoBright (signal input), Windows Vista-certified, portrait-capable | Expansion slot, ultra-thin bezel, programable lookup tables, Plug and Play (DDC/CI, DDC2B), PIP (remote), POP, 6-axis color control, multi-level zoom, FullScan, CableComp, TileMatrix (5x5), TileComp, video ready, scheduler (w/ RTC), OmniColor (NCM), sharpness/softness, off-timer (countdown), screen saver, vacation switch, 10-bit gamma, AutoBright (signal input), Windows Vista-certified, portrait-capable | Power Management, Plug and Play (DDC/CI, DDC2B), PIP (Remote), Multi-level Zoom, FullScan, 6-axis color, CableComp, TileMatrix, TileComp, Screen Saver, Rapid Response, Video Ready (no tuner), Infrared remote control included, portrait-capable |
| **Touch-Capable** | Designed for integration | Designed for integration | Designed for integration | Designed for integration |
| **Voltage Rating** | AC 100-120V / AC 220-240V @ 50/60 Hz | AC 100-120V / AC 220-240V @ 50/60 Hz | AC 100-120V / AC 220-240V @ 50/60 Hz | AC 100-120V / AC 220-240V @ 50/60 Hz |
| **Power Consumption (typical)** | | | | |
| On | 140W | 240W | 240W | 350W |
| Power Savings Mode | < 5W | < 5W | < 5W | < 5W |
| **Dimensions (WxHxD)** | | | | |
| Net (with stand) | 31.1 x 20.1 x 7.9 in./789 x 510.3 x 200mm | 36.2 x 22.4 x 13 in./919.5 x 567 x 330mm | 41.6 x 25.4 x 13.8 in. /1056.6 x 645.2 x 350.3mm | 53.5 x 32.5 x 19.4 in. /1357.8 x 825.1 x 492mm |
| Net (without stand) | 31.1 x 18.9 x 5.5 in./789 x 479 x 140mm | 36.2 x 21 x 5.5 in./919.5 x 533.4 x 140mm | 41.6 x 24 x 5.5 in./1056.6 x 609.6 x 140mm | 53.5 x 31.2 x 6.5 in./1357.8 x 792.8 x 164mm |
| **Net Weight** | | | | |
| (with stand) | 37.5 lbs./17 kg | 68.6 lbs. / 31.1 kg | 83.6 lbs. / 37.9 kg | 138.9 lbs. / 63 kg |
| (without stand) | 35.3 lbs./16 kg | 64.8 lbs. / 29.4 kg | 79.6 lbs. / 36.1 kg | 130.1 lbs. / 59 kg |
| **VESA Hole Configuration Specifications** | 200 x 200mm (8 hole) / 200 x 100mm (6 hole) | 200 x 200mm (8 hole) / 200 x 100mm (6 hole) | 200 x 200mm (8 hole) / 200 x 100mm (6 hole) | 200 x 200mm (8 hole) / 200 x 100mm (6 hole) |
| **Environmental Conditions** | | | | |
| Operating Temperature | 5-40° C/41-104° F | 5-40° C/41-104° F | 5-40° C/41-104° F | 5-40° C/41-104° F |
| Operating Humidity | 20-80% | 10-80% | 10-80% | 20-80% |
| Operating Altitude | 4200m/13,780 ft. | 4200m/13,780 ft. | 4200m/13,780 ft. | 4200m/13,780 ft. |
| Storage Temperature | -20-60° C/-4-140° F | -20-60° C/-4-140° F | -20-60° C/-4-140° F | -20-60° C/-4-140° F |
| Storage Humidity | 10-90% | 10-90% | 10-90% | 10-90% |
| Storage Altitude | 12,000m/39,370 ft. | 12,000m/39,370 ft. | 12,000m/39,370 ft. | 12,000m/39,370 ft. |
| **Regulatory Approvals** | UL 1950/CSA C22.2 No. 950/TUV-GS/EN60950/FCC-B/DOC-B/EN55022-B/EN55024/EN61000-3-2/EN1000-3-3/CE | UL 60950/CSA C22.2 No. 950/TUV-GS/EN60950/FCC-B/DOC-B/EN55022-B/EN55024/EN61000-3-2/EN1000-3-3/CE | UL 60950/CSA C22.2 No. 950/TUV-GS/EN60950/FCC-B/DOC-B/EN55022-B/EN55024/EN61000-3-2/EN1000-3-3/CE | UL 60950/CSA C22.2 No. 950/TUV-GS/EN60950/FCC-B/DOC-B/EN55022-B/EN55024/EN61000-3-2/EN1000-3-3/CE |
| **Included Accessories** | AC power cord,user manual, setup sheet, wireless remote control, batteries, 15-pin RGB cable, CD-ROM, stands | AC power cord, user manual, setup sheet, wireless remote control, batteries, 15-pin RGB cable, CD-ROM, stands | AC power cord, user manual, setup sheet, wireless remote control, batteries, 15-pin RGB cable, CD-ROM, stands | AC power cord, user manual, wireless remote control, batteries, 15-pin RGB cable, CD-ROM |
| **Optional Accessories** | External speakers | External speakers, digital tuner | External speakers, digital tuner | External speakers |
| **Limited Warranty** | 3 year parts and labor, including backlight | 3 year parts and labor, including backlight | 3 year parts and labor, including backlight | 3 year parts and labor, including backlight |
| **Technical Support** | 24 hours/7 days | 24 hours/7 days | 24 hours/7 days | |

* not available on IT models

ENERGY STAR

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