



## High-Quality Desktop LCD Monitors

19", 20", 22", 23", 24", 25" & 28" Widescreen Models + 19" Standard Model

The all new Hanns.G HH series high-quality desktop LCD monitors with piano-black finished bezel appeals to those that prefer a simple elegant design combined with the latest technology in computer displays.

The HH series feature an ultra-fast response time and exclusive X-Contrast technology that enables users to view an amazingly smooth video and enjoy incredibly vivid picture quality without tiring the eyes. The HH series offer the latest 16:9 aspect ratio for true HD visual experience (The 19" standard model is offered in traditional 5:4 aspect ratio while the 28" features 16:10, providing 1920x1200 WUXGA resolution). The models ranging from 20" to 28" sized are equipped with both VGA and HDMI inputs, meaning you can use the monitor for computer and another HD device such as cable/satellite set-top box, Blu-ray™ player, or gaming console. The HDMI equipped models also include a HDMI to DVI cable so that you can get the best picture quality when connecting to a PC. In addition, the 22" model and up support Full HD 1080p resolution that provides superior sharpness and picture clarity.

The new HH series high-end graphic displays are offered in 19, 20, 22, 23, 24, 25, and 28-inch screen sizes plus 19" standard model. Whether you are looking for a monitor to surf the web, email, work on spreadsheets, enhance gaming experience, or create graphic designs, you can rely on the quality, performance, and dependability of a Hanns.G display.



X-Celerate technology only available on 25" HH251HPB and 28" HH281HPB.  
HDMI input is not available on 18.5" HH181APB and HH191DPB.  
Energy Star 5.0 certification is not available on 19" HH191DPB, 25" HH251HPB and 28" HH281HPB.

**Beverly Hills Store** 420 N. Beverly Drive, Beverly Hills, CA 90210 310.288.0208  
**San Francisco Store** 400 Sutter Street, San Francisco, CA 94108 415.986.3300

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	19" wide	19" std	20" wide	22" wide	23" wide	24" wide	25" wide	28" wide
Model	HH181APB	HH191DPB	HH201HPB	HH221HPB	HH231HPB	HH241HPB	HH251HPB	HH281HPB
Display Size/Type	18.5" Widescreen Active Matrix TFT LCD	19" Active Matrix TFT LCD	20" Widescreen Active Matrix TFT LCD	21.5" Widescreen Active Matrix TFT LCD	23.0" Widescreen Active Matrix TFT LCD	23.6" Widescreen Active Matrix TFT LCD	24.6" Widescreen Active Matrix TFT LCD	27.5" Widescreen Active Matrix TFT LCD
Resolution	1366 x 768 (WXGA)	1280 x 1024 (SXGA)	1600 x 900 (HD+)	1920 x 1080 (Full HD)	1920 x 1080 (Full HD)	1920 x 1080 (Full HD)	1920 x 1080 (Full HD)	1920 x 1200 (Full HD)
Aspect Ratio	16:9	5:4	16:9	16:9	16:9	16:9	16:9	16:10
Pixel Pitch	0.3(H)mm x 0.3(V)mm	0.294(H)mm x 0.294(V)mm	0.276(H)mm x 0.276(V)mm	0.248(H)mm x 0.248(V)mm	0.266(H)mm x 0.266(V)mm	0.2715(H)mm x 0.2715(V)mm	0.283(H)mm x 0.283(V)mm	0.309(H)mm x 0.309(V)mm
Brightness	250cd/m <sup>2</sup>	300cd/m <sup>2</sup>	250cd/m <sup>2</sup>	300cd/m <sup>2</sup>	300cd/m <sup>2</sup>	300cd/m <sup>2</sup>	300cd/m <sup>2</sup>	400cd/m <sup>2</sup>
Response Time	5ms(Typical)	5ms(Typical)	5ms(Typical)	5ms(Typical)	5ms(Typical)	5ms(Typical)	2ms Xcelerate Overdrive	3ms Xcelerate Overdrive
Contrast Ratio	X-Contrast 10,000:1 / 1000:1(Typical)	X-Contrast 15000:1 / 1000:1(Typical)	X-Contrast 15000:1 / 1000:1(Typical)	X-Contrast 15000:1 / 1000:1(Typical)	X-Contrast 15000:1 / 1000:1(Typical)	X-Contrast 15000:1 / 1000:1(Typical)	X-Contrast 15000:1 / 800:1(Typical)	X-Contrast 15000:1 / 800:1(Typical)
Displayable Colors	16.7 Million	16.7 Million	16.7 Million	16.7 Million	16.7 Million	16.7 Million	16.7 Million	16.7 Million
View Angle (H/V)	160°/160°	170°/160°	160°/160°	170°/160°	170°/160°	170°/160°	170°/160°	170°/160°
Color Temperature Modes	Warm / Nature / Cool / User	Warm / Nature / Cool / User	Warm / Nature / Cool / User	Warm / Nature / Cool / User	Warm / Nature / Cool / User	Warm / Nature / Cool / User	Warm / Nature / Cool / User	Warm / Nature / Cool / User
Panel Treatment	Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-glare
Horizontal Frequency	24kHz to 61kHz	24kHz to 80kHz	24kHz to 71kHz	24kHz to 83kHz	24kHz to 83kHz	24kHz to 83kHz	24kHz to 83kHz	24kHz to 80kHz
Vertical Frequency	56Hz to 75Hz	56Hz to 75Hz	56Hz to 75Hz	56Hz to 75Hz	56Hz to 75Hz	55Hz to 75Hz	56Hz to 75Hz	56Hz to 75Hz
Video Input(s)	VGA	VGA + DVI w/HDCP	VGA + HDMI 1.3 w/HDCP	VGA + HDMI 1.3 w/HDCP	VGA + HDMI 1.3 w/HDCP	VGA + HDMI 1.3 w/HDCP	VGA + 2x HDMI 1.3 w/HDCP	VGA + 2x HDMI 1.3 w/HDCP
Speakers	1W x2	1W x2	1W x2	1W x2	1W x2	1W x2	1.5W x2	2W x2
Headphone Out	NA	NA	NA	Yes	Yes	Yes	Yes	Yes
Tilt	-5°~15°	-5°~15°	-5°~15°	-5°~15°	-5°~15°	-5°~15°	0°~ 20°	0°~ 20°
Kensington Slot	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VESA Mounting	100mm x 100mm	100mm x 100mm	100mm x 100mm	100mm x 100mm	100mm x 100mm	100mm x 100mm	100mm x 100mm	100mm x 100mm
Input Voltage	AC 100~240V, 50~60Hz	AC 100~240V, 50~60Hz	AC 100~240V, 50~60Hz	AC 100~240V, 50~60Hz	AC 100~240V, 50~60Hz	AC 100~240V, 50~60Hz	AC 100~240V, 50~60Hz	AC 100~240V, 50~60Hz
Power Consumption	On: 20W(Typ), Standby: <=1W	On: 35W(Typ), Standby: <=1W	On: 33W(Typ), Standby: <=1W	On: 40W(Typ), Standby: <=1W	On: 49W(Typ), Standby: <=1W	On: 46W(Typ), Standby: <=1W	On: 50W(Typ), Standby: <=1W	On: 85W(Typ), Standby: <=1W
Operating Temperature	5 ~ 35°C / 41 ~ 95° F	5 ~ 35°C / 41 ~ 95° F	5 ~ 35°C / 41 ~ 95° F	5 ~ 35°C / 41 ~ 95° F	5 ~ 35°C / 41 ~ 95° F	5 ~ 35°C / 41 ~ 95° F	5 ~ 35°C / 41 ~ 95° F	5 ~ 35°C / 41 ~ 95° F
Humidity	20 ~ 85%	10 ~ 85%	20 ~ 85%	20 ~ 85%	20 ~ 85%	20 ~ 85%	10 ~ 85%	10 ~ 85%
Net Dimensions	17.3"(W) x 14.6"(H) x 6.3"(D)	16.1"(W) x 16.2"(H) x 6.3"(D)	18.6"(W) x 14.5"(H) x 6.3"(D)	20.1"(W) x 15.5"(H) x 7.1"(D)	21.4"(W) x 16.2"(H) x 6.5"(D)	21.9"(W) x 16.4"(H) x 6.5"(D)	22.9"(W) x 16.6"(H) x 7.1"(D)	25.7"(W) x 20.7"(H) x 10.2"(D)
Net Weight	7.5 lbs.	8.8 lbs.	9.0 lbs.	9.9 lbs.	10.8 lbs.	11.0 lbs.	12.6 lbs.	16.3 lbs.
Gross Dimensions	19.5"(W) x 13.5"(H) x 5.0"(D)	18.1"(W) x 16.3"(H) x 4.7"(D)	20.1"(W) x 16.8"(H) x 4.7"(D)	22.4"(W) x 18.1"(H) x 5.6"(D)	23.6"(W) x 18.9"(H) x 4.7"(D)	23.9"(W) x 19.3"(H) x 4.5"(D)	25.8"(W) x 20.3"(H) x 9.6"(D)	28.3"(W) x 23.9"(H) x 12"(D)
Gross Weight	9.3 lbs.	10.1 lbs.	11.5 lbs.	12.6 lbs.	13.5 lbs.	13.9 lbs.	17.3 lbs.	23.4 lbs.
Certifications	FCC, CE, CB, Nemko Bau-mark, MPRII, GOST, BSMI, CB, PSB, KC, UL/cUL, 3C, VCCI, E-Standby, RoHS, Energy Star, Vista Basic, Windows 7	FCC, CE, CB, UL/CUL, Nemko Bau-mark, CCC, KC, GOST, PSB, MPRII, VCCI, E-Standby, RoHS, Vista 7	FCC, UL/CUL, Energy Star, 3C, CE, CB, GOST, MPRII, KC, PSB, VCCI, BSMI, E-Standby, RoHS, Vista Premium, Windows 7	FCC, UL/CUL, Energy Star, 3C, CE, CB, Nemko Bau-mark, GOST, MPRII, KC, PSB, VCCI, RoHS, Vista Premium, Windows 7	FCC, UL/CUL, Energy Star, CB, CCC, CE, GOST, MPRII, KC, PSB, VCCI, BSMI, E-Standby, RoHS, Vista Premium, Windows 7	FCC, UL/CUL, Energy Star, CB, CCC, CE, Nemko Bau-mark, GOST, MPRII, KC, PSB, VCCI, RoHS, Vista Premium, Windows 7	FCC, UL/CUL, 3C, CE, CB, Nemko Bau-mark, MPRII, GOST, KC, PSB, VCCI, E-Standby, RoHS, Vista Premium, Windows 7	FCC, UL/CUL, 3C, CE, CB, Nemko Bau-mark, MPRII, GOST, KC, PSB, VCCI, E-Standby, RoHS, Vista Premium, Windows 7
Package Contents	HH-181APB, VGA Cable, Audio Cable, Power Cable, User Manual CD-ROM, Quick Start Guide, Warranty Card	HH-191DPB, VGA Cable, Audio Cable, Power Cable, User Manual CD-ROM, Quick Start Guide, Warranty Card	HH201HPB, VGA Cable, Audio Cable, Power Cable, User Manual CD-ROM, Quick Start Guide, Warranty Card	HH-221HPB, VGA Cable, HDMI to DVI Cable, Audio Cable, Power Cable, User Manual CD-ROM, Quick Start Guide, Warranty Card	HH-231HPB, VGA Cable, HDMI to DVI Cable, Audio Cable, Power Cable, User Manual CD-ROM, Quick Start Guide, Warranty Card	HH-241HPB, VGA Cable, HDMI to DVI Cable, Audio Cable, Power Cable, User Manual CD-ROM, Quick Start Guide, Warranty Card	HH-251HPB, VGA Cable, HDMI to DVI Cable, Audio Cable, Power Cable, User Manual CD-ROM, Quick Start Guide, Warranty Card	HH-281HPB, VGA Cable, HDMI to DVI Cable, Audio Cable, Power Cable, User Manual CD-ROM, Quick Start Guide, Warranty Card
UPC Code	842651003364	842651003371	842651003944	842651003388	842651003975	842651003630	842651003326	842651003395
Warranty	3-Year Limited (3-Year Parts/Labor, 1-Year LCD/Backlight)	3-Year Limited (3-Year Parts/Labor, 1-Year LCD/Backlight)	3-Year Limited (3-Year Parts/Labor, 1-Year LCD/Backlight)	3-Year Limited (3-Year Parts/Labor, 1-Year LCD/Backlight)	3-Year Limited (3-Year Parts/Labor, 1-Year LCD/Backlight)	3-Year Limited (3-Year Parts/Labor, 1-Year LCD/Backlight)	3-Year Limited (3-Year Parts/Labor, 1-Year LCD/Backlight)	3-Year Limited (3-Year Parts/Labor, 1-Year LCD/Backlight)



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