Technical Specifications

HP EliteDisplay S270n

1. LED Indicator

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1.	Menu button	**5.**	Power button	**9.**	USB Type-C™ port
2.	Plus button Function button 2 — assignable*	**6.**	DisplayPort™ port	**10.**	Power connector
3.	Minus button Function button 3 — assignable*	**7.**	HDMI 1 (2.0) port	**11.**	Security cable slot
4.	OK button Function button 4 — assignable*	**8.**	HDMI 2 (1.4) port		

* Function buttons 2 through 4 may be used to navigate through the OSD menu based on the indicators above the buttons that are activated while the OSD menu is open.

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Panel Specifications*		
	Display Size (Diagonal)	27 inch
	Display Panel Type	IPS
	Native Resolution	3840 x 2160 @ 60 Hz
	Aspect Ratio	16:9
	Brightness – Typical	350 cd/m²
	Static Contrast Ratio - Typical	1,300:1:00
	Dynamic Contrast Ratio (DCR)	5M:1 (min) /10M:1 (typical)
	NOTE: Dynamic Contrast Ratios during video playback only, depending on series of frames or time duration.	
	Pixel Pitch	0.1554 x 0.1554 mm
	Pixels Per Inch (PPI)	163.18
	Backlight Lamp Life (to half brightness - in hours)	30k hours minimum
	Anti-Glare Panel	Advanced Haze
	BrightView Panel	No
	Response Time - Typical	5.4ms grey to grey
	Color Gamut – Typical	>99% sRGB
	Color Support	Up to 1.07 billion colors with the use of FRC technology
	Color Depth	10 Bit (8 Bit + A-FRC) 1.07 Billion color
	Horizontal Viewing Angle (typical CR>10)	178°
	Vertical Viewing Angle (typical CR>10)	178°
	Panel Active Area	596.74 x 335.66 mm (23.49 x 13.21 in)
	Preset Graphic Modes/Supported Resolutions	640 x 480 @ 60Hz
		720 x 480 @ 60 Hz
		800 x 600 @ 60 Hz
		1024 x 768 @ 60 Hz
		1280 x 720 @ 60 Hz
		1280 x 800 @ 60 Hz
		1280 x 1024 @ 60 Hz
		1440 x 900 @ 60 Hz
		1600 x 900 @ 60 Hz
		1680 x 1050 @ 60 Hz
		1920 x 1080 @ 60 Hz
		1920 x 1200 @ 60 Hz
		2560 x 1440 @ 60 Hz
		2560 x 1600 @ 60 Hz
		3840 x 2160 @ 60 Hz
	Maximum Resolution	3840 x 2160 @ 60 Hz
	Recommended Resolution	3840 x 2160 @ 60 Hz
	Vertical Scan Range	24-60 Hz
	Horizontal Scan Range	27-135 kHz
	Default Color Temperature	SRGB(D65)
	Maximum Pixel Clock Speed	533 MHz
	*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.	
Monitor Specifications	**Exterior Color of Monitor Bezel and Stand**	Black Head, Black Onyx Chin / Base, and Chrome plated Stand arm
	Plug & Play	Yes
	Tilt	-5 to + 23 degrees
	Security Lock Ready	Yes (lock is sold separately)
	Height Adjustment	Yes
	Height Adjustment Range	100 mm
	Detachable Base	Yes

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	Warranty	3/3/0 : NA and EMEA
		3/3/3 : APJ
On Screen Display (OSD)	**On Screen Display User Controls**	Brightness, Contrast, Color Control, Input Control, Image Control, Power Control, Menu Control, Management, Language, Information, Exit
	User Programmable Modes	Yes, 10
	Monitor Control Buttons or Switches	Menu,
		Plus ("+")
		Minus ("-")
		Information
		Viewing Mode
		Exit
		Next Input
		Power
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
	VESA Mounting	Yes
Input Connector Types	**VGA**	No
	DVI-D	No
	HDMI	1 x HDMI 2.0
		1 x HDMI 1.4
	MHL/HDMI	No
	HDCP support	1 x HDMI 2.0 HDCP 2.2 up to 4k
		1 x HDMI 1.4 HDCP 1.4
		HDCP support (HDMI and DP)
	Audio	No
	USB	1 x USB Type-C™
	Card Reader	No
	DisplayPort™ 1.2	1 x DisplayPort™ 1.2
	Video/audio cables included with lengths	HDMI 1.8m
		DP 1.8 m
		USB Type-C™ 1.8m
Power & Operating Specs	**Power Supply**	External
	Power Source	100 - 240 VAC 50/60 Hz
	Power Consumption - Maximum	126w
	Energy Saving/Standby Mode	0.5w
	Power Consumption - Typical	55w
	Power cable length	1.9 m
ENERGY STAR® Data	**Operational Mode at 100 VAC**	109.6 KWH/year
	Operational Mode at 115 VAC	109.6 KWH/year
	Operational Mode at 230 VAC	109.6 KWH/year
EU Energy Efficiency Class (EC1062)	**On-mode Power Consumption (EC 1062/2010)**	44W
	Annual Power Consumption (EC 1062/2010)	64 kWh
	Energy Efficiency Class (EC 1062/2010)	C
	Visible Screen Size	27" / 68,47 cm
Operating Conditions	**Operating Temperature**	5° - 35°C
	Operating Temperature	41° - 95°F
	Non-operating	-20° - 60°C
	Non-operating Temperature	29° - 140°F

QuickSpecs

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	Operating Humidity	20% - 80% (non-condensing)
	Non-operating Humidity	5% - 95%
	Operating Altitude	0 - 5,000 m (16,400 ft.)
	Non-operating Altitude	0 - 12.192 m (40,000 ft.)
Environmental Features and Certifications	**Mercury-free LED display backlights**	Yes, Mercury-free LED backlighting
	Arsenic-Free Display Glass	Yes
	Low Halogen	Yes
		GSE HP-00011-01B, table 2 defines low-halogen (BFR, CFR, PVC)

NOTE: External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

	Agency Approvals and Certifications	WW application CE/CB/MSIP/Mexico COC/ICES/ISO 9241-307/ CU/cTUVus/ISC/CCC/CEL/Energy Star/VCCI/FCC/BSMI/WEEE /RCM/ErP
	Microsoft WHQL Certification	Win 10, Win 8, Win 7
	ENERGY STAR® Certified	Yes, ENERGY STAR® 7
	EPEAT® Registered	EPEAT® Gold

NOTE: EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at http://www.hp.com/g/options

	China Energy Label	CEL Grade 1
	SmartWay Transport Partnership - NA only	Yes (NA SKU)
Contains Recycled Plastics	**Contains Recycled Plastics in Back Cover**	85%
	Contains Recycled Plastics in Base/Stand	85%
	Contains Recycled Plastics in Other Parts	85% (Deco, Middle Frame)
	Recyclable Plastics	All
	Recyclable Packaging (Box, packing materials)	All
Unit Product/Package Specifications	**Product Dimensions (Unpacked with stand)**	
	Metric (W x D x H)	61.35 x 18.99 x 49.85 cm
	Imperial (W x D x H)	24.2 x 7.5 x 19.6 in
	Display Head Dimensions (Unpacked without stand)	
	Metric (W x D x H)	61.35 x 4.0 x 36.25 cm
	Imperial (W x D x H)	24.2 x 1.6 x 14.3 in
	Base Dimensions (Unpacked)	22.0 x 18.9 cm 8.7 x 7.4 in
	Product Dimensions (Packed)	
	Metric (w x d x h cm)	71.5 x 27 x 48cm
	Imperial (w x d x h in)	28.15 x 10.63 x 18.9 in
	Product Weight (Packed)	
	Metric	10.95 kg
	Imperial	24.16 lb
	Product Weight (Head Only)	
	Metric	4.85 kg
	Imperial	10.69 lb

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Environmental Data	Eco-Label Certifications & declarations	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:

- IT ECO declaration
- US ENERGY STAR®
- TCO or TCO Certified Edge
- EPEAT® Gold registered in the United States. See http://www.epeat.net for registration status in your country. Search keyword *generator* on HP's 3rd party option store for solar energy accessory at http://www.hp.com/go/options.
- US Federal Energy Management Program (FEMP)

Energy Consumption (in accordance with US ENERGY STAR® test method)

	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation	31.14 W	31.51 W	31.12 W
Sleep	0.25 W	0.37 W	0.31 W
Off	0.21 W	0.32 W	0.23 W

Heat Dissipation*

	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation	106 BTU/hr	108 BTU/hr	106 BTU/hr
Sleep	1 BTU/hr	1 BTU/hr	1 BTU/hr
Off	1 BTU/hr	1 BTU/hr	1 BTU/hr

*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/EC.
- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- This product is in compliance with the IEEE 1680 (EPEAT) standard at the <Gold> level, see www.epeat.net
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.
- This product contains 15.8% post-consumer recycled plastic (by wt.)
- This product is 98.8% recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Corrugated	1860 g
	PAPER/Paperboard	20 g
	PAPER/Paper	28 g
Internal:	COMPOSITE/paper/carton+plastic	3 g
	PLASTIC/Polyethylene high density - HDPE	28 g
	PLASTIC/Other	1 g
	PLASTIC/Polyethylene Expanded - EPE	823 g

RoHS Compliance HP, Inc. is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous

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Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at

http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:
- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

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	End-of-life Management and Recycling	Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.
		The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.
	HP, Inc. Corporate Environmental Information	For more information about HP's commitment to the environment:

Global Citizenship Report
http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html
Eco-label certifications
http://www.hp.com/hpinfo/globalcitizenship/environment/product design/ecolabels.html
ISO 14001 certificates:
http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842
and
http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf

Pallet Information	**Pallet Dimensions (L x W x H mm)**	1098L*725W*125H(mm)
	Pallet Dimensions (L x W x H inch)	43.23L*28.54W*4.92H(inch)
	Pallet Total Weight (including units) kg	190kg
	Pallet Total Weight (including units) lbs	418.52 lbs
	Pallet Layers	4 layers
	Pallet Product per Layer	4 units
Options[1]	**USB-C Universal Dock**	1MK33AA
	HP Hot Desk Stand	W3Z73AA
	Single Monitor Arm	BT861AA
	Dual Head Cable Lock	T1A64AA
	Mini and Thin Client IWC	G1V61AA
	UHD USB Graphics Adapter	N2U81AA
Software Included	**Software included**	Display Assistant
Accessories Included	**What's in the box?**	AC power cord (1.9m) 6.2 ft
		HDMI cable (1.8m) 5.9 ft
		USB Type-C™ cable (1.8m)
		DP cable (1.8m)
		VESA Mount Adapter
Other	**User Guide Languages**	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.

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Warranty Languages	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.

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Change Log	
V1 to V2	Accessories added as options section
V2 to V3	Response time updated
V3 to V4	Environmental data table added