Technical Specifications

HP Series 7 Pro 27 inch 4K Thunderbolt 4 Monitor - 727pk



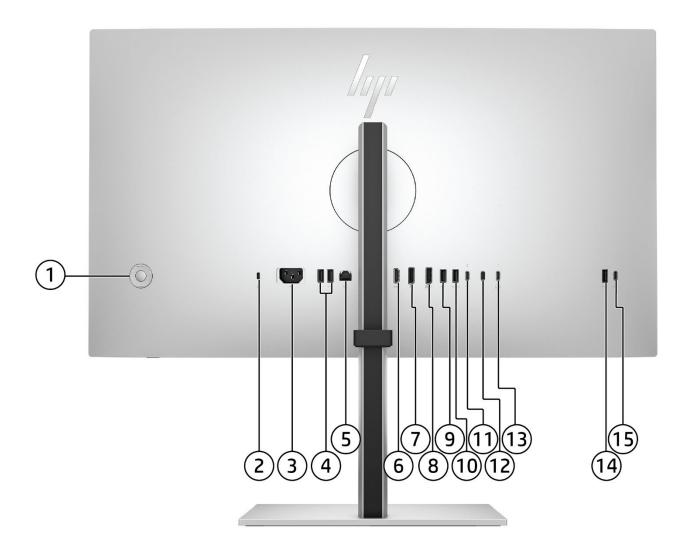
Front

I. Power Button

2. Power LED

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- 1. Joypad OSD button
- 2. Security Cable Slot
- 3. Power Connector
- 4. 2 USB Type-A 10Gbps signaling rate port
- 5. RJ-45 (10/100/1000 Mbps) (Network Port)
- 6. HDMI 2.0 Port
- **7.** DisplayPort™ 1.4 port
- 8. DisplayPort[™] 1.4 out port

Back

- 9. USB Type-A 10Gbps signaling rate
- **10.** USB Type-A 10Gbps signaling rate, dedicated port for keyboard for KVM switch
- **11.** USB Type-C® 10Gbps signaling rate signaling rate (Upstream Hub enablement data)
- **12.** Thunderbolt[™] 4 Out port for daisy chain (charging),
- **13.** Thunderbolt[™] 4 40Gbps (up to 100 W USB Power Delivery, DisplayPort[™] 1.4)
- **14.** USB Type-A 10Gbps signaling rate (charging)
- USB Type-C[®] 10Gbps signaling rate (charging)

Technical Specifications

Model: 8J9G2AA, 8J9G2E9, 8J9G2AT, 8J9G2A5

Display Size (Diagonal) 27" (68.6 cm) **Panel Specifications**

> Viewable Diagonal Size 27" (68.47 cm) **Panel Technology IPS Black Curvature** Flat 60 Hz **Max Refresh Rate**

Native Resolution 4K UHD (3840 x 2160) **Panel Bit Depth** 10 bit (8 bit + FRC)

Aspect Ratio 16:9 **Brightness (Typical)** 400 nits

HDR VESA DisplayHDR™ 400

Display Contrast Ratio (Static) 2000:1 Flicker Free Yes

Pixel Pitch 0.15×0.15 Pixels Per Inch (PPI) 163 PPI

Display Colors Up to 1.07 billion colors supported* *Number of colors through A-FRC technology.

Backlight Lamp Life Minimum (To Half

30k **Brightness - In Hours)**

Backlight Type Edge-lit **Screen Treatment** Anti-glare **Hardness** 3H Haze 25%

5ms GtG (with overdrive) Response Time (Typical)

Horizontal Viewing Angle 178° (Typical Cr>10) Vertical Viewing Angle (Typical Cr>10) 178°

Panel Active Area Metric (W X H) 59.67 x 33.57 cm

Panel Active Area Imperial (W X H) 23.49 x 13.22 in

NOTE: Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

Color sRGB 100%

Display P3 98%

Color Management Factory Color Calibrated Yes

> **Calibrated Color Presets** Display P3, BT.709 D65, sRGB D65 **Color Space/ Subsampling Support** RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2

RGB Channel Adjust Yes, Gain

User Calibration Support Host software (Windows or macOS)

External Calibration Support X-Rite i1Display Pro Standalone/ Schedulable Calibration Yes, Schedulable **Default Color Temperature** Display P3

4-sided borderless **Monitor Specifications Bezel Type**

> **Color Of Stand** Black and Silver **Color Of Head** Black and Silver



Technical Specifications

 Tilt
 -5 to +20°

 Swivel
 ±45°

 Pivot
 ±90°

 Height Adjust Range
 150 mm

Vesa Mounting 100 mm x 100 mm (bracket included)

Security Lock Security lock-ready

Detachable Stand Yes

Warranty 3/3/0 for LA, NA, EMEA, APJ (3/3/3 in select APJ Countries)

Low Blue Light

Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution

certified)

Zero Bright Dot Guarantee Yes*

*The HP Pixel Policy allows no bright sub-pixel defects for this display. For complete details, see https://support.hp.com/us-

en/document/ish_3908867-3900920-16.

HP Client Management Script Library (CMSL)*

Management Software HP Display Center**

* The Client Management Script Library must be downloaded to the connected PC to run CMSL commands. Some limitations may apply to legacy displays. Visit support.hp.com to download HP CMSL.

**Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.

available on the Microso

On Screen Display (OSD)

On Screen Display

Native Resolution

Image, Color, Split Screen Input, Power, Menu,

Management, Information, Exit

4K UHD (3840 x 2160)*

* DisplayPort™ 1.4 or HDMI 2.0 required to drive panel at its

native resolution.

The video card of the connected PC must be capable of supporting 3840 × 2160 at 60 Hz with 10-bit color using one DisplayPort™, HDMI, or USB Type-C® (DisplayPort™ alt mode),

Thunderbolt™.

640 x 480 @ 60 Hz

The video card of the connected PC must be capable of supporting 3840 × 2160 at 60 Hz and include 1 HDMI or 1 DisplayPort™ outputs to drive the monitor at the Preferred

Mode.

Maximum Resolution 4K UHD (3840 x 2160 @ 60 Hz)

Preset Graphic Modes/Supported

Resolutions 720 x 400

720 x 400 @ 70 Hz 800 x 600 @ 60 Hz 1024 x 768 @ 60 Hz 1280 x 720 @ 60 Hz 1280 x 1024 @ 60 Hz 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1600 x 1200 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 60 Hz 1920 x 1200 @ 60 Hz



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2560 x 1440 @ 60 Hz 3840 x 2160 @ 30 Hz 3840 x 2160 @ 60 Hz

Minimum Vertical Scan Rate 29 Hz **Maximum Vertical Scan Rate** 60 Hz Minimum Horizontal Scan Rate 30 kHz **Maximum Horizontal Scan Rate** 140 kHz **Maximum Pixel Clock** 600 MHz **User Programmable Modes** Yes, 15

User-Assignable Function Buttons Yes, 4 (8 options)

11 (German, Simplified Chinese, Traditional Chinese, Languages

English, Spanish, French, Italian, Japanese, Netherlands,

Brazilian Portuguese, Russian)

Connector Types DisplayPort™ 1 DisplayPort™ 1.4

> DisplayPort™ Out 1 DisplayPort™ 1.4-out

HDMI 1 HDMI 2.0

HDCP Yes, DisplayPort™, HDMI and Thunderbolt™

USB Type-C® Video & Data Transfer 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling

rate (up to 100 W USB Power Delivery, DisplayPort™ 1.4);

USB Type-C® Data Transfer Only 1 USB Type-C® 10Gbps signaling rate upstream (Up to

15W USB Power Delivery); 1 USB Type-C[®] 10Gbps

signaling rate (15 W charging)

Thunderbolt™ Out 1 Thunderbolt™ 4 Out for Daisy chain (15 W charging) **USB Type-A**

5 USB Type-A 10Gbps signaling rate (1 charging with 7.5

Ethernet 1 RJ-45 (10/100/1000 Mbps)

Special Features Picture-in-Picture, Picture-by-Picture Yes

Switch

Next Active Input, Color, Split Screen (On/Off), Brightness

Out-of-Band MAPT, Out-of-Band WoL, PXE Boot **Remote Manageability**

User Presets 15 True 2K Image Scaling Yes **User Updateable Firmware** Yes

KVM Switch Yes, Keyboard switch

> Ambient Light Sensor Single Power On Daisy chain

Pantone validated

Internal

Power & Operating Power Supply

Specs

Other Special Features

Power Source 100 - 240 VAC 50/60 Hz

Power Consumption- Max 215 W **Energy Saving/Stand By Mode** 0.5 W **Power Consumption - Typical** 43 W

Energy Star Data Operational Mode at 100 VAC 25.86 W

Operational Mode at 115 VAC 25.82 W

Technical Specifications

Operational Mode at 230 VAC 25.77 W

EU Energy Efficiency Class (ErP LOT-5) On-mode Power Consumption for Standard Dynamic Range (SDR) ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR)

On-mode Power Consumption for High

Dynamic Range (HDR)

Fahrenheit

ErP LOT5 Energy Efficiency Class for High Dynamic Range (HDR)

A f G

26 W

46 W

f G

Operating Conditions
Operating Conditions

Operating Temperature - Celsius $5\sim35^{\circ}\text{C}$ Operating Temperature - Fahrenheit $41-95^{\circ}\text{F}$ Non-Operating Temperature - Celsius $-20-60^{\circ}\text{C}$ Non-Operating Temperature - $-4-140^{\circ}\text{F}$

Operating Humidity 20 – 80% Relative Humidity (non-condensing)

Non-Operating Humidity 5~95%RH
Operating Altitude Metric 0~5,000m
Non-operating Altitude Metric 0~12,192m
Operating Altitude Imperial 0~16,400ft
Non-operating Altitude Imperial 0~40,000ft

Certifications and Compliances Low Halogen Yes*

*External power supplies, WWAN modules, power cords, cables

and peripherals excluded.

Agency Approvals and Certifications WW application

CE,CB,KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/ EAC/UL/CSA/PSB/ISC/CCC/CEL/CECP/SEPA/TCO/TCO Certified Edge/Energy Star/ISC/VCCI/FCC/BSMI/Korea MEPS/Ukraine EE/Belarus EE /WEEE/GS/Low Blue

light/UAE/Ukraine/BIS/RCM Windows 11, Windows 10

Microsoft WHQL CertificationWinENERGY STAR® CertifiedYes

EPEAT® Registered EPEAT® Gold in United States*

*Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit

www.epeat.net for more information.

China Energy LabelCEL Grade 2TCO Certified EdgeYesTCO CertifiedYes

SmartWay Transport Partnership - NA

only

Yes (NA sku)

Contains Recycled Plastics

Contains Recycled Plastics 90% post-consumer recycled plastic *

Technical Specifications

*Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

Recycled Metal 90% recycled aluminum *

Made with 15% recycled steel

*Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts

over 25 grams.

Recyclable Packaging (Box, packing

materials)

Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable*; Outside box and corrugated cushions are 100% sustainably sourced and recyclable**
*Molded pulp cushions are made from 100% recycled wood fiber and organic materials.

**100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

Unit	Produ	ct/Pa	ackage
Snec	ificati	ons	

Product Dimensions (Unpacked with stand) (W x D x H) Product Dimensions

(Packed) (W x D x H) **Display Head Dimensions**

(Unpacked without stand) (W x D x H)

Base Area Footprint (w x d mm)

Product Weight (Unpacked with stand)

Product Weight (Packed)

Product Weight (Head Only)

<u>Metric</u>

61.34 x 22.52 x 54.05 cm

71.5 x 16.1 x 45.5 cm

61.34 x 7.45 x 35.40 cm

01.34 x 7.45 x 35.40 C

256 x 195 mm

6.5 kg

9.8 kg

5 kg

21.6 lb

14.3 lb

Imperial

24.15 x 8.87 x 21.28 in

28.15 x 6.34 x 17.91 in

24.15 x 2.93 x 13.94 in

Slip Sheet: 45.28 x 28.94 x

Slip Sheet: 767.9 lb (40'HQ)

Pallet: 45.28 x 28.94 x

Pallet: 636.7 lb (40'ft)

90.2 inch (40'HQ)

77.05 inch (40'ft)

10.08 x 7.68 in

11 lb

Pallet Information

Pallet Dimensions
(L x W x H mm)

allet Tetal Weight

Pallet Total Weight

Pallet Layers

Pallet Product per Layer Total Products per Pallet

Container Load, 20-Foot Container Load, 40-Foot

AC power cord (1.83m) 5.9ft

Container Load, 40-Foot HighQ

Slip Sheet: 1150 x 735 x 2291 mm (40'HQ) Pallet: 1150 x 735 x 1957

Pallet: 1150 x 735 x 1957 mm (40'ft)

Slip Sheet: 348.3 kg

(40'HQ)

Pallet: 288.8 kg (40'ft) Slip Sheet: 5 layers (40'HQ) Pallet: 4 layers (40'ft)

7 sets

Slip Sheet: 35 sets (40'HQ) Pallet: 28 sets (40'ft)

392 sets (Slip Sheet and Pallet) 896 sets (Slip Sheet and Pallet) 1120 sets (Slip Sheet and Pallet)



What's in the box?

Technical Specifications

HDMI 2.0 cable (1.8m) 5.9 ft (Selected SKUs)
USB 3.1 C-A cable (1.8m) (Selected SKUs)
DisplayPort™ 1.4 cable (1.8m) (Selected SKUs)
Thunderbolt™ cable (1m)
Warranty
Quick Setup Poster
Color calibration report
VESA Mount Adapter

User Guide and Warranty Languages

User Guide Languages

Warranty Languages

Arabic, Bahasa Indonesia, Bulgarian, Chinese-S, Chinese-T, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Kazakh, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese (Brazilian), Portuguese (Iberian), Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkey, Ukrainian English US (EN), English AP (EN-AP), English LA (EN-LA), English UK (EN-GB), Arabic (AR) -17x, Bahasa Indonesia (ID), Bosnian (BS), Bulgarian (BG), Chinese-S (CN), Chinese-T (TW), Croatian (HR), Czech (CS), Danish (DA), Dutch (NL), Estonian (ET), Finnish (FI), French Canadian (FC), French European (FR), German (DE), Greek (EL), Hebrew (HE), Hungarian (HU), Italian (IT), Japanese (JA), Kazakh (KK), Korean (KO), Latvian (LV), Lithuanian (LT), Norwegian (NO), Polish (PL), Portuguese, Brazilian (BR), Portuguese, Iberian (PT), Romanian (RO), Russian (RU), Serbian (SR), Slovak (SK), Slovenian (SL), Spanish, Castilian (ES-ES), Spanish, Latin America (ES-MX), Swedish (SV), Thai (TH), Turkish (TR), Ukrainian (UK), Vietnamese (VI)

Technical Specifications

ENVIRONMENTAL DATA

ENVIRONMENTAL DATA				
Eco-Label Certifications &		in the process of being certified to	the following approvals and	
declarations	may be labeled with one or mo	ore of these marks:		
	 IT ECO declaration 			
	US ENERGY STAR®			
	 US Federal Energy Ma 	anagement Program (FEMP)		
	EPEAT Gold registered	d in the United States. See http://w	ww.epeat.net for	
	registration status in	your country.		
	 TCO Certified 			
	 China Energy Conservation Program (CECP) China State Environmental Protection Administration (SEPA) Taiwan Green Mark 			
	Korea Eco-label			
	 Japan PC Green label* 	*		
Sustainable Impact	Product Carbon Footprint			
Specifications	80% post-consumer recycled plastic			
	• Low halogen			
	Outside Box and corrugated cushions are 100% sustainably sourced and recyclable			
		nside box is 100% sustainably soui	_	
	Recycled Plastic cushions			
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for		d Noise Emissions data for	
	the Notebook model is based on a "Typically Configured Notebook".			
Energy Consumption				
(in accordance with US ENERGY				
STAR® test method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz	
Normal Operation (Short idle)	25.82 W	25.77 W	25.86 W	
Sleep	0.78 W	0.80 W	0.78 W	
Off			0.21 W	
	1 3.2.1			
	NOTE:			
	Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the			
model family. HP computers marked with the ENERGY STAR® Logo are compli				
	applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specification		•	
	computers. If a model family does not offer ENERGY STAR® compliant configurations, then			
	energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high			
	efficiency power supply, and a Microsoft Windows® operating system			
		. 3,		
Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz	
Normal Operation (Short idle)	88.30 BTU/hr	88.13 BTU/hr	88.44 BTU/hr	
Sleep	2.66 BTU/hr	2.73 BTU/hr	2.66 BTU/hr	
Off	0.71 BTU/hr	0.82 BTU/hr	0.71 BTU/hr	
	*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service			
	1 1 1 1 1 1 1 1 1			
	level is attained for one hour.			
Longevity and Upgrading		, possibly extending its useful life b	y several years.	



Technical Specifications

		are available throughout the warranty period and	d or for up to "5" years after the	
	end of produ			
Additional Information		s product is in compliance with the Restrictions of ctive - 2011/65/EC.	f Hazardous Substances (RoHS)	
	 This product is in compliance with California Proposition 65 (State of California Drinking Water and Toxic Enforcement Act of 1986). This product is in compliance with the IEEE 1680 (EPEAT) standard at the Silver 			
		www.epeat.net stics parts weighing over 25 grams used in the pr	aduct are marked per ISA11469	
		ISO1043.	oddet are marked per 1501 1405	
	 This product is 96.5% recycle-able when properly disposed of at end of life. 			
Packaging Materials	External:	PAPER/Corrugated	1830 g	
		PAPER/Molded Pulp	660 g	
	Internal:	PLASTIC/Polyethylene Expanded – EPE	30 g	
	The plastic	packaging material contains at least 0.0% recycl	ed content.	
	The corruga	ted paper packaging materials contains at least	0.0% recycled content.	
Material Usage	(RoHS) Direct development We believe the wide eliminate substances pertains to each we met our with the scope of to evolve.	HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam. We believe the RoHS directive and similar laws play an important role in promoting industrywide elimination of substances of concern. We have supported the inclusion of additional substances—including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertains to electrical and electronics products. We met our voluntary objective to achieve worldwide compliance with the new EU RoHS requirements for virtually all relevant products by July 2013, and we will continue to extend the scope of the commitment to include further restricted substances as regulations continue to evolve. To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.		
	(refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html): • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics • Cadmium • Chlorinated Hydrocarbons			



Technical Specifications

	Chlorinated Paraffins	
	Bis(2-Ethylhexyl) phthalate (DEHP)	
	Benzyl butyl phthalate (BBP)	
	Dibutyl phthalate (DBP)	
	Diisobutyl phthalate (DIBP)	
	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 Usage	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.	
End-of-life Management and	HP offers end-of-life HP product return and recycling programs in many geographic areas. To	
Recycling	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.	



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HP, Inc. Corporate	For more information about HP's commitment to the environment:		
Environmental Information			
	Global Citizenship Report		
	http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html		
	Eco-label certifications		
	http://www8.hp.com/us/en/hp-information/environment/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		
footnotes	Percentage of ocean-bound plastic contained in each component varies by product		
	 Recycled plastic content percentage is based on the definition set in the IEEE 1680.1- 2018 standard. 		
	 External power supplies, WWAN modules, power cords, cables and peripherals excluded. 		
	 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. 		
	 Fiber cushions made from 100% recycled wood fiber and organic materials. 		
	Plastic cushions are made from >90% recycled plastic		



Technical Specifications

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Summary

Change Log			
November 29, 2024	V1 to V2	Added	HP Client Management Script Library (CMSL)
December 11, 2024	V2 to V3	Updated	HP Client Management Script Library (CMSL) Footnote
March 7, 2025	V3 to V4	Updated	Zero Bright Dot Warranty

