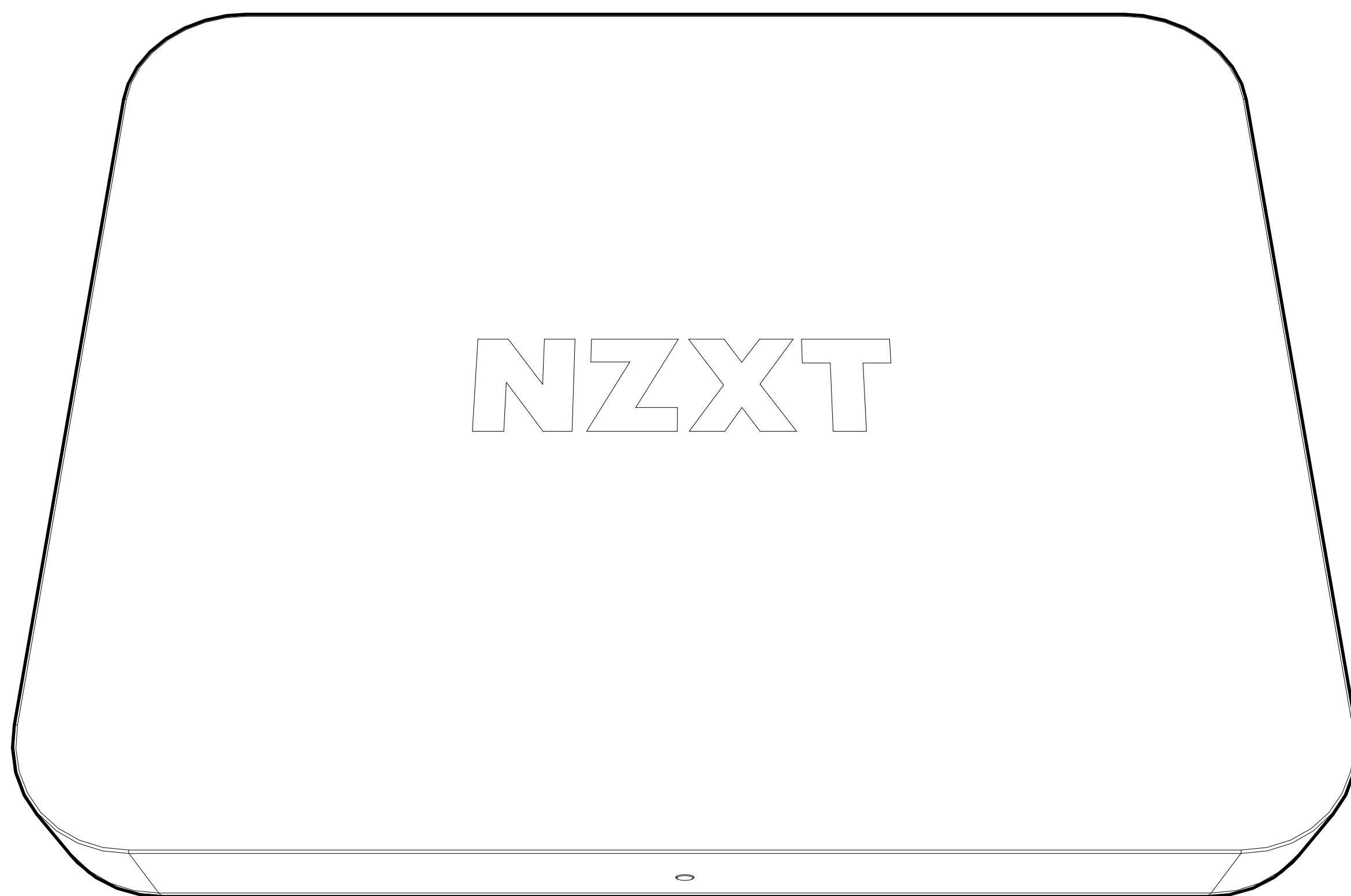


NZXT

SIGNAL HD60

SIGNAL HD60 外置採集卡——4K60 透傳



1. 前言 03

2. 組件清單 04

3. 採集卡概述 05

4. 設置採集卡 06

5. 軟件和固件更新12

7. 規格14

6. LED 指示燈圖表13

8. 附錄 A-1



A. 版權所有 © NZXT, Inc. 保留所有權利。

本手冊所包含的所有插圖和屏幕捕獲均受國際版權法保護，並保留所有權利。未經作者書面同意，不得複製本手冊或其中包含的任何材料。

B. 免責聲明

本文檔中的信息如有更改，恕不另行通知。製造商對本手冊的內容不作任何陳述或保證，並明確拒絕對用於任何特定目的商業適銷性和適用性作出任何默示保證。製造商保留修訂本出版物及不定期更改其內容的權利，且無義務將此類修訂或更改通知任何人。

C. 商標識別

本手冊中使用的產品名稱均屬其各自所有者的財產，特此聲明。

D. 支持和服務

如果您對購買的 NZXT 產品有任何疑問或問題，請隨時通過我們的支持系統 support.nzxt.com 與我們聯繫。請附上問題的詳細說明和您的購買證明。如有任何意見和建議，您可發送電子郵件至我們的設計團隊 designer@nzxt.com。

最後，感謝您購買本產品及對本產品的支持。有關 NZXT 的更多信息，請訪問我們的網站。NZXT 網站：[NZXT.com](https://nzxt.com)

E. 安全說明

在使用採集卡之前，請通讀以下安全注意事項：

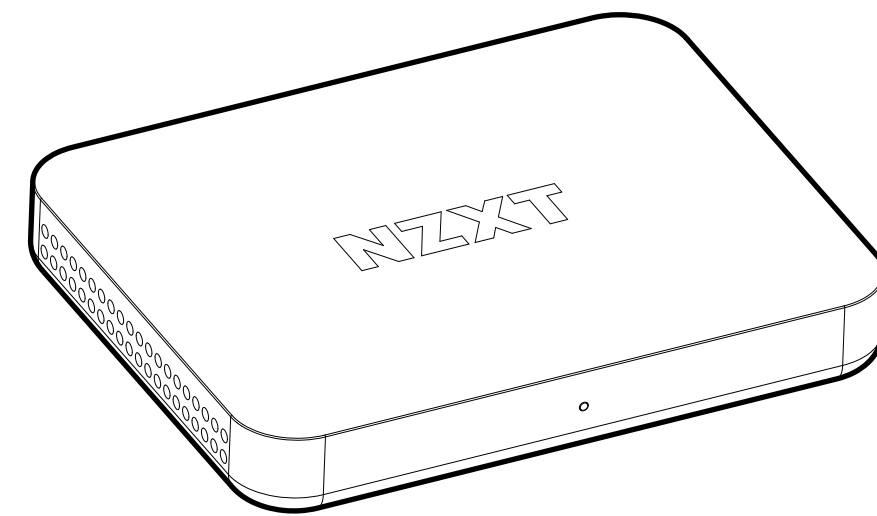
- 請將本產品的塑料包裝袋置於兒童無法觸及之處。
- 切勿以濕手觸摸插頭，否則會有觸電的風險。
- 採集卡上的孔或開口用於通風。切勿用任何物品覆蓋或堵塞通風孔。
- 切勿嘗試自行拆卸或維修採集卡。

2. 組件清單



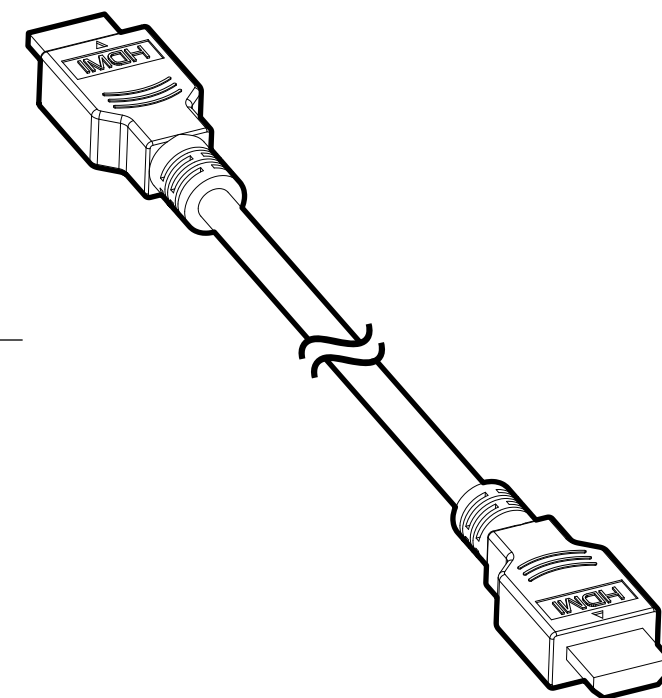
A. 採集卡

x1



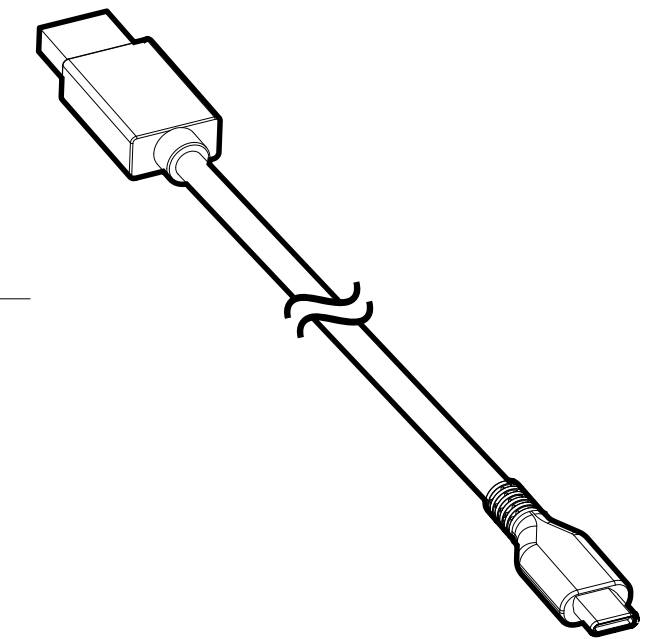
B. 150 釐米 HDMI 線

x1



C. 100 釐米 USB-C 轉 USB-A 數據線

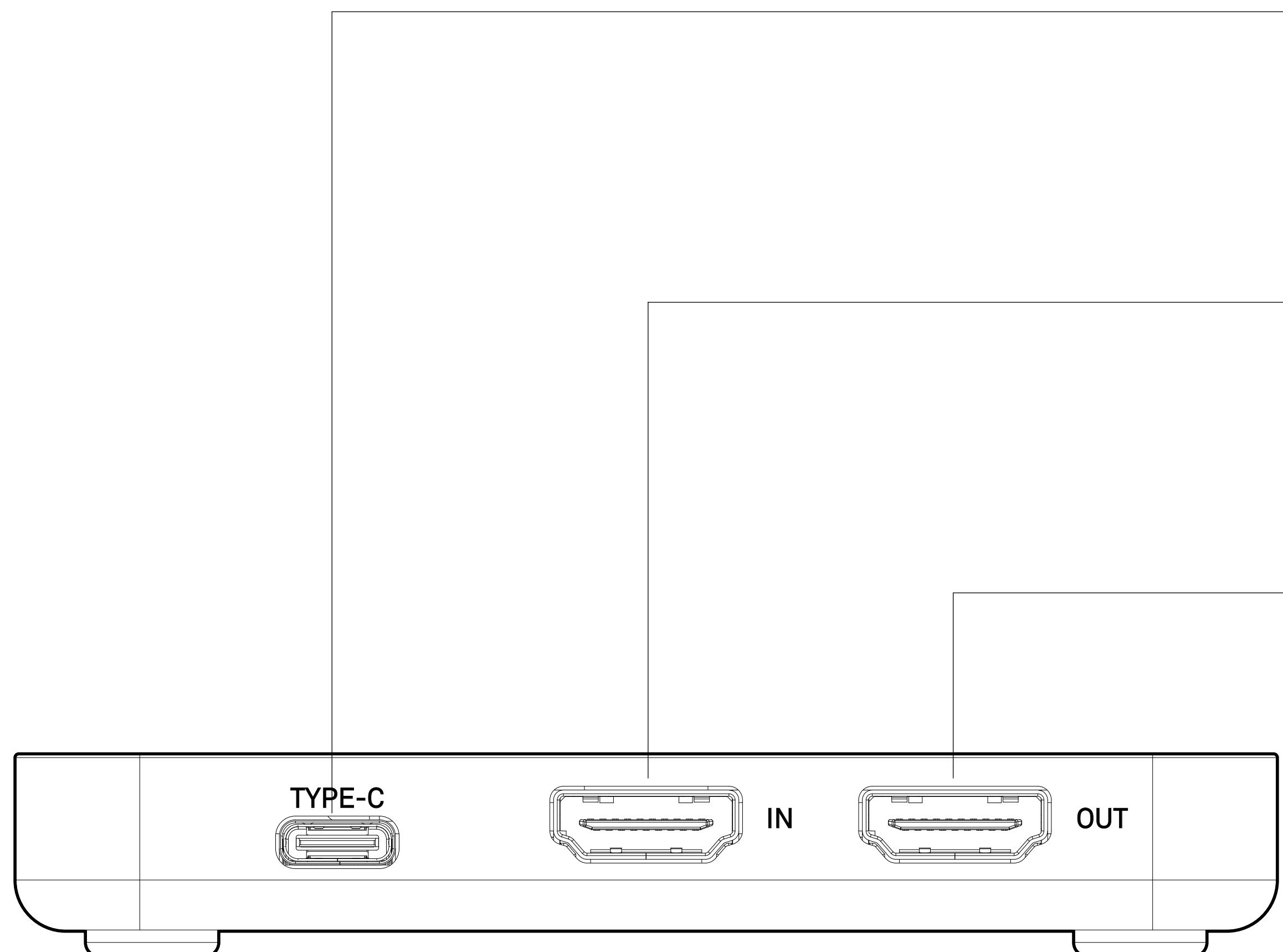
x1



D. 快速入門指南

x1





TYPE-C:

將隨附數據線的 USB-C 端連接到採集卡的此端口。將 USB-A 端插入計算機上的 USB 3.2 (Gen 1) 兼容端口。

IN:

將隨附的 HDMI 線插入採集卡的此端口。將另一端插入您要採集的設備，例如遊戲 PC、遊戲機、相機或移動設備。

OUT:

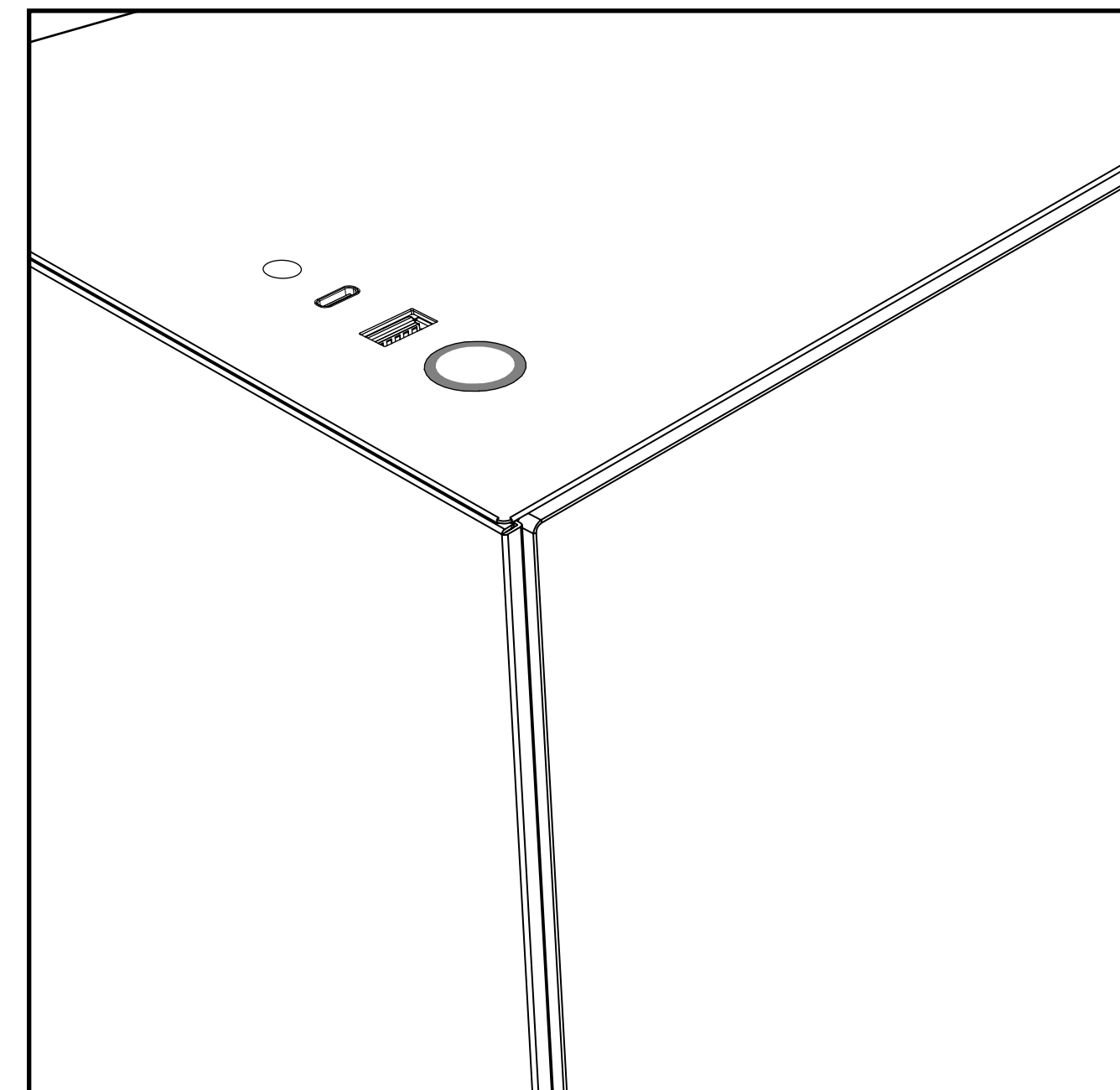
此端口允許零延遲透傳且可選配。將 HDMI 2.0 線插入此端口。將另一端插入遊戲顯示器。

4. 設置採集卡



第一步

確保您的 PC 和您要採集的設備已關閉電源。

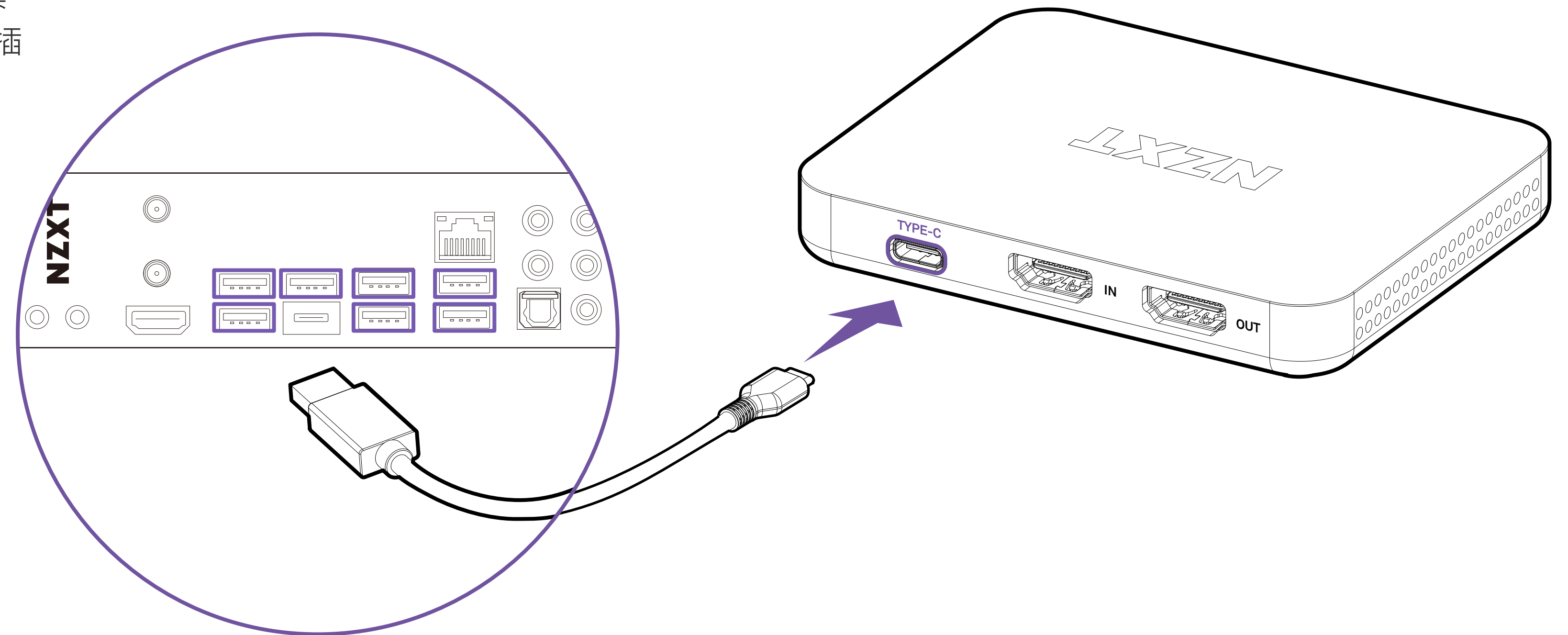


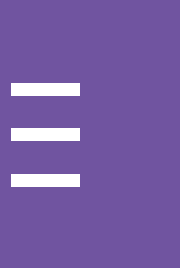
 **POWERED OFF**



第二步

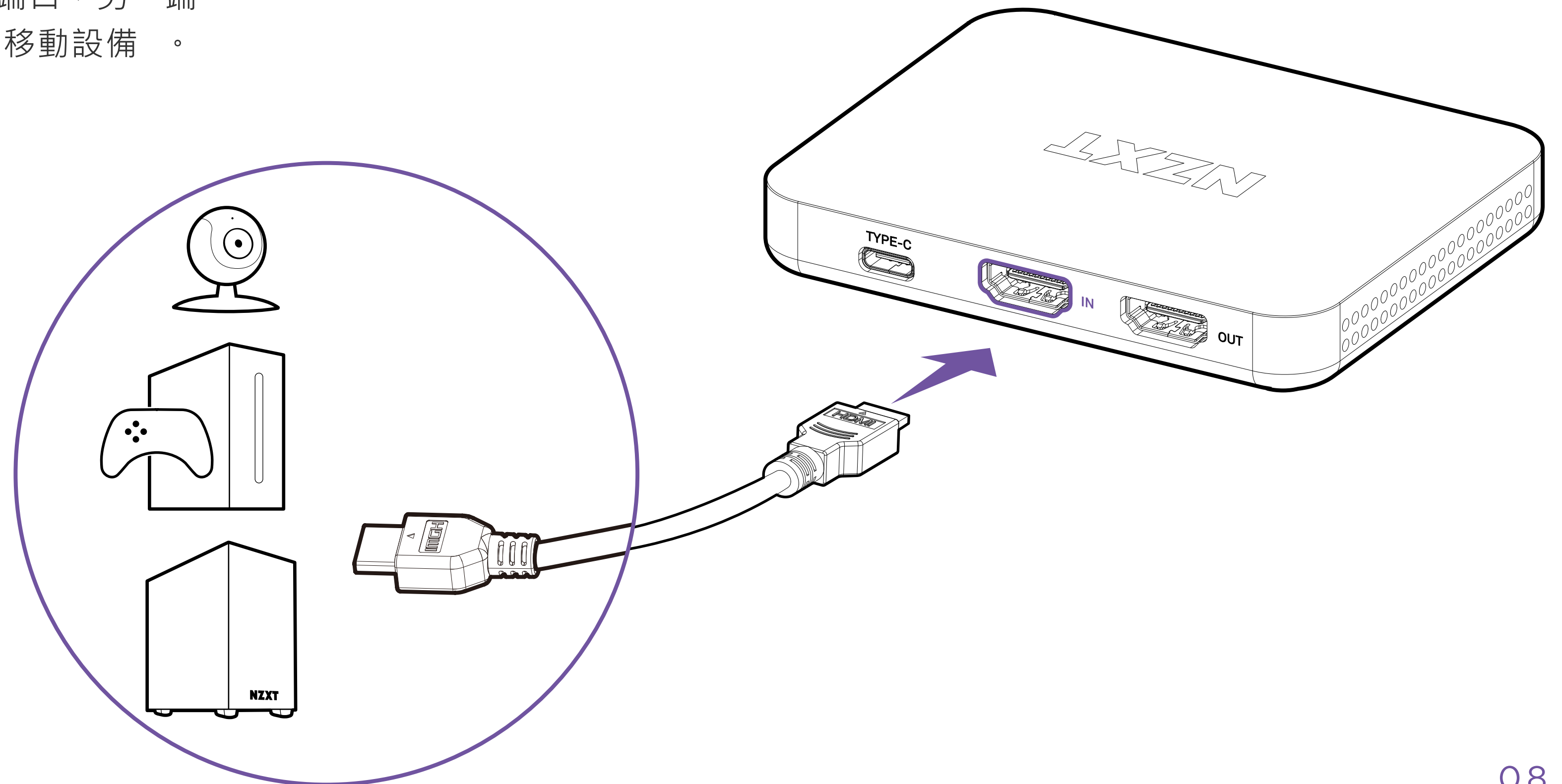
使用隨附的 USB 數據線，將 Type-C 端插入採集卡，另一端插入計算機的 USB 3.2 (Gen 1) 兼容插槽中。

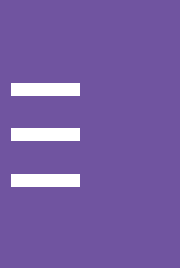




第三步

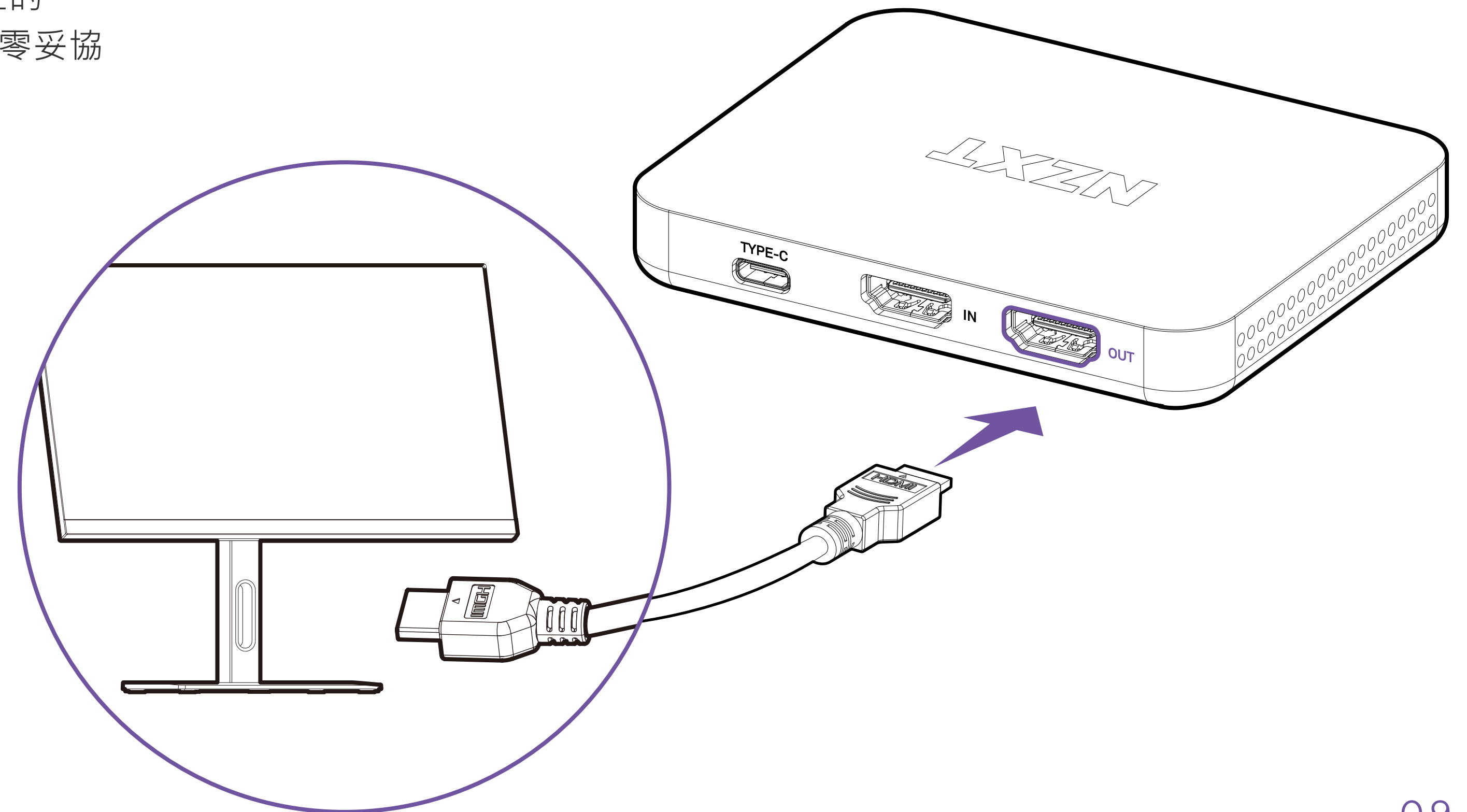
使用隨附的 HDMI 線，將一端插入採集卡上的「IN」端口，另一端插入您要採集的設備，例如遊戲 PC、遊戲機、相機或移動設備。





第四步

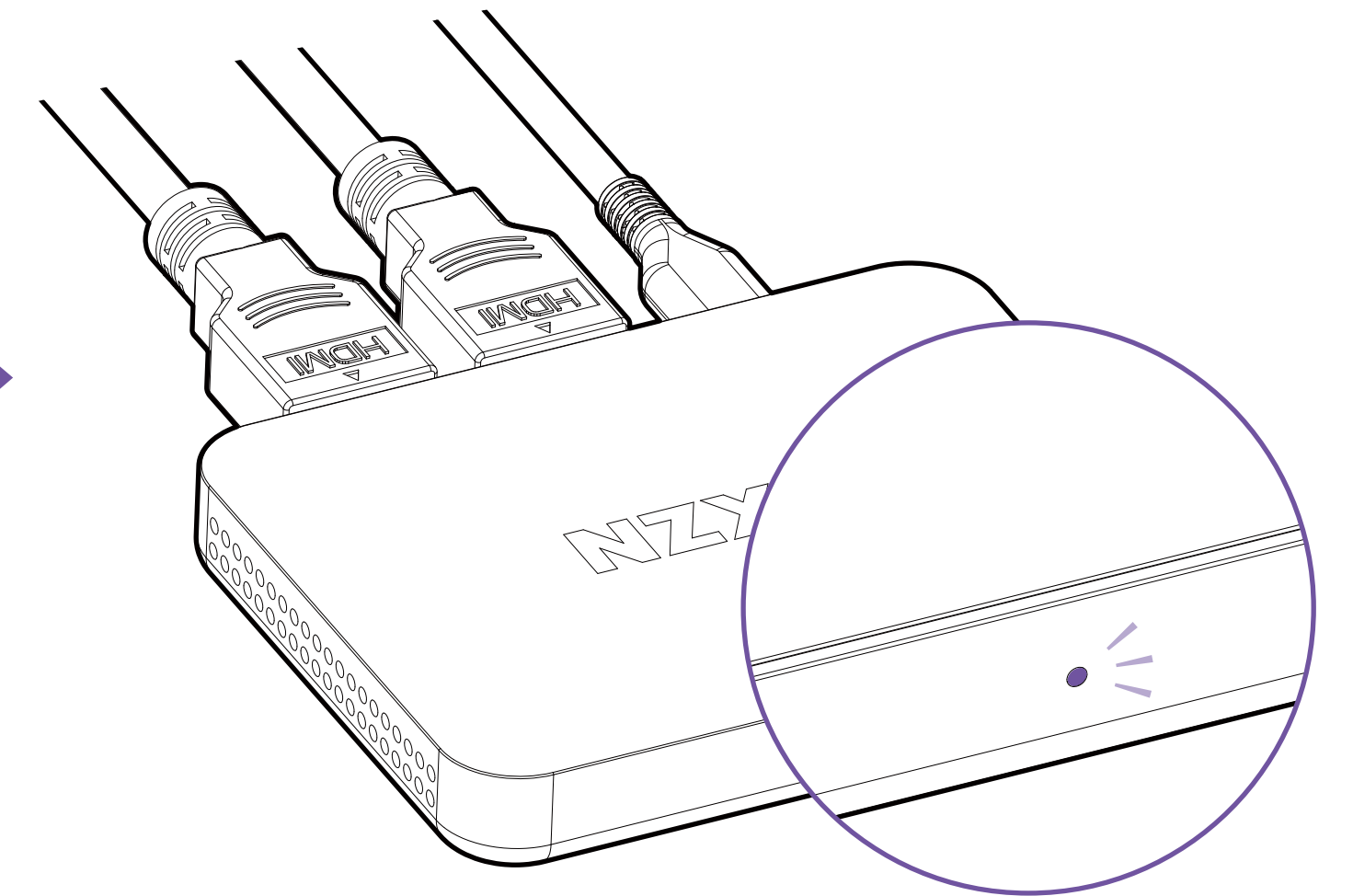
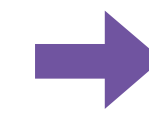
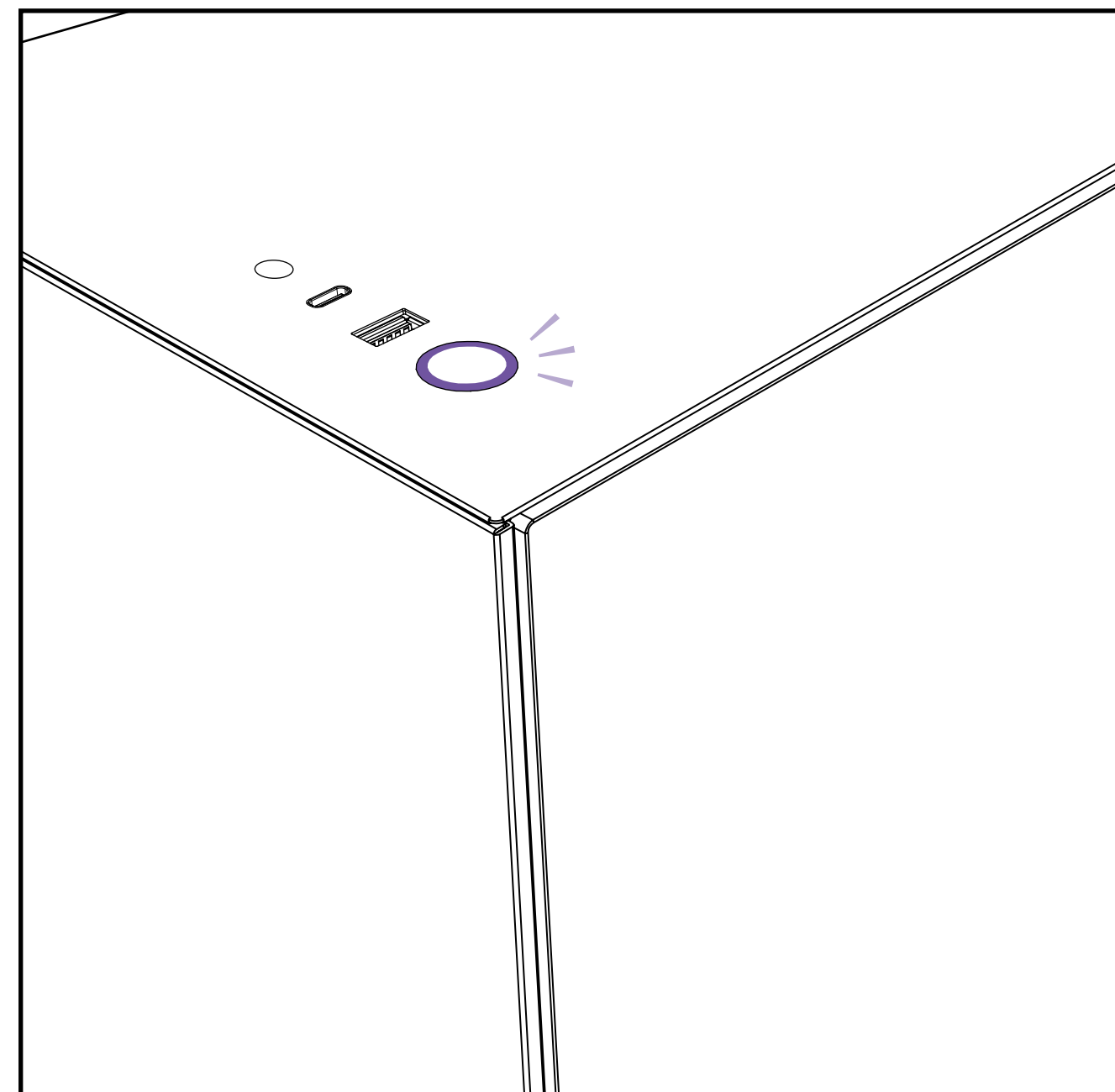
建議用於遊戲機或 2 台 PC 設置：將 HDMI 2.0 線插入採集卡上的「OUT」端口，線的另一端則連接到遊戲顯示器。原始信號便可零妥協零延遲透傳到遊戲中。

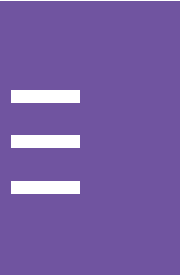




第五步

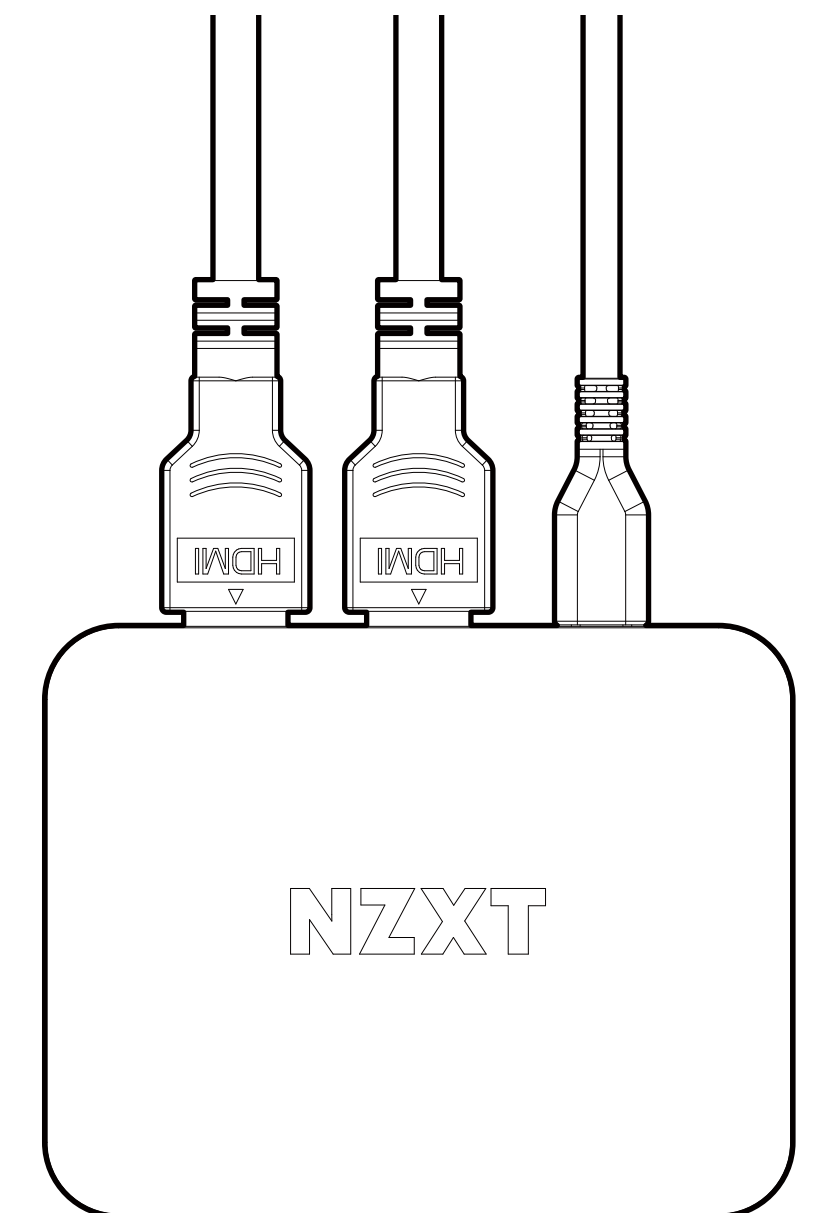
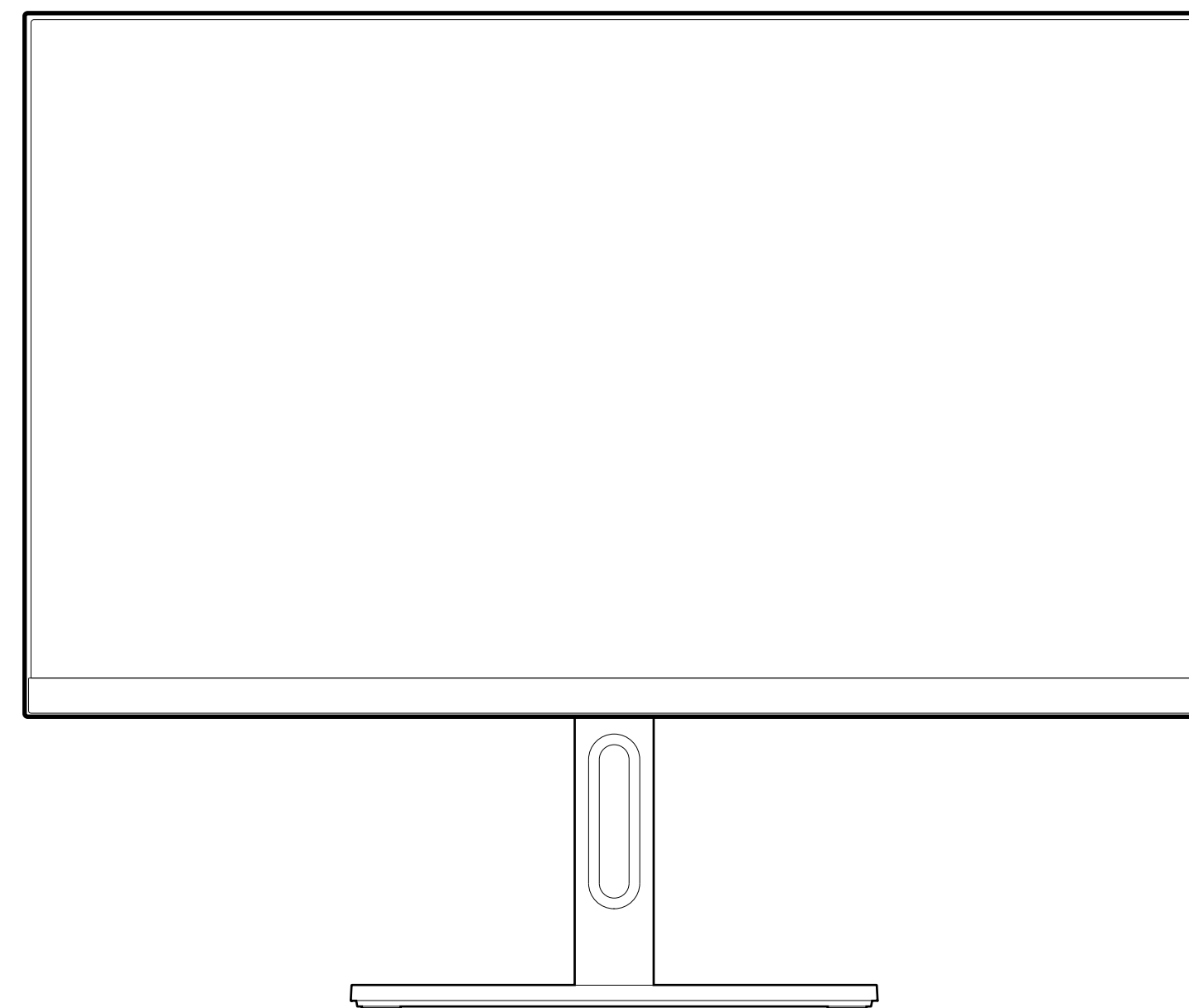
打開您的計算機和採集設備。





第六步

在您最喜歡的流媒體程序中，添加新的視頻捕獲設備作為源並查找「NZXT Signal HD60」。



5. 軟件和固件更新



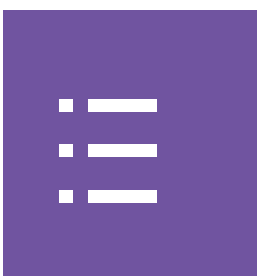
NZXT 將繼續發佈軟件和固件更新，以使 Signal HD60 保持最佳的運行狀態。請訪問 www.nzxt.com/downloads 以獲取最新的軟件和固件更新。

6. LED 指示燈圖表



燈光	描述
實白色	連接到設備並採用 USB 3.2 (Gen 1) 接口
紅燈閃爍 (1 秒亮/滅)	已連接到設備，但僅檢測到 USB 2.0 兼容性
實紅色	連接到沒有 HDCP 密鑰的設備或固件更新失敗
白燈閃爍 (0.5 秒亮/滅)	固件更新中
白燈閃爍 (1 秒亮/滅)	已連接到設備，但未檢測到源數據

7. 規格



SIGNAL HD60	描述
一般規格	HDMI 2.0 輸入和透傳
	USB 3.2 (Gen 1) Type C · 適用於電源和數據
	含連接至計算機的 USB-C 轉 USB-A
	2 聲道 · 16 位 · 48 kHz 音頻
	符合 HDMI 2.0、HDCP 1.4/2.2 和 DVI 1.0 規格
最大輸入和透傳兼容性	3840x2160p 60fps
	2560x1440p 60fps
	1920x1080p 60fps
	1920x1080i 60fps
	720p
	480p
	576p
480i	
576i	
播放與錄製分辨率	1920x1080p (60, 50, 30, 25)
	720p (60, 50, 30, 25)
	576p (50, 25)
	480p (60, 30)
音頻	HDMI : 立體聲 16 位 48K 樣本數/秒
縮放比例	硬件縮小並放大至 1080p
UVC 支持的原始格式	NV12
	YUY2



8.1 NZXT Global Warranty Policy A-2

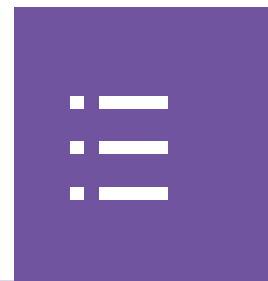
8.2 Support and Service A-8

8.3 限用物质及元素列表/限用物質及元素清單 A-11

8.4 Regulatory Notices A-12

8.5 Revision History A-13

8.1 NZXT GLOBAL WARRANTY POLICY



This NZXT Global Warranty Policy governs the sale of products by NZXT to you.

I. WARRANTY LENGTH

Any replacement product will be covered under warranty for the remainder of the warranty period or thirty days, whichever is longer. Proof of purchase is required for warranty service.

II. WHO IS PROTECTED

The Warranty covers only NZXT products purchased by the original consumer.

NEW NZXT PRODUCT	WARRANTY LENGTH FOR PARTS
Computer Cases	2 Years
Temperature Meters	2 Years
Fans	2 Years
Lighting	2 Years
Accessories	2 Years
Kraken M Coolers	3 Years
Headset/Headphone	2 Years
Headset/Headphone Storage	2 Years
Mixer	2 Years
Motherboards	3 Years
Gold Power Supply	10 Years
Bronze Power Supply	5 Years
Kraken X/Z Coolers	6 Years
Mini ITX Case with PSU, AIO, and Riser Card	3-year warranty on case, riser card, and AIO. 10-year warranty on PSU.
REFURBISHED NZXT PRODUCT	WARRANTY LENGTH FOR PARTS
All NZXT Certified Refurbished Products	1 Years



III. WHAT IS AND IS NOT COVERED

Please note that our warranty is not an unconditional guarantee. If the product, in NZXT's reasonable opinion, malfunctions within the warranty period, NZXT will provide you at its sole discretion with a repaired or replacement product, either new or refurbished, with a similar function that is equal or greater in value depending on supply.

Our warranty does not cover the following:

- any product or serial number/warranty sticker modification applied without permission from NZXT;
- any damage that is not a manufacturing defect;
- damage, deterioration or malfunction resulting from: accident, abuse, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification or failure to follow instructions included with the product;
- improper installation, unauthorized alterations or modifications, or repair or attempted repair by anyone not authorized by NZXT;
- shipping or transport damage (claims must be made with the carrier);
- normal wear and tear.

NZXT does not warrant that this product will meet your requirements. It is your responsibility to determine the suitability of this product for your purpose. For NZXT Store orders, we cover two way return shipping for all exchanges and returns. For all other authorized dealers, NZXT Support does not cover return shipping and only covers one way shipping from NZXT back to the end user for exchanges. Two way expedited shipping is provided for all PSUs covered under the Less Than Three program, indiscriminate of purchase location, provided the location is an approved NZXT reseller.

IV. EXCLUSION OF DAMAGES (DISCLAIMER)

NZXT's sole obligation and liability under this warranty is limited to the repair or replacement of a defective product with either a new or refurbished product with a similar function that is equal or greater in value at our option. NZXT shall not, in any event, be liable for any incidental or consequential damage, including but not limited to damages resulting from interruption of service and loss of data, business, or for liability in tort relating to this product or resulting from its use or possession.



V. LIMITATIONS OF IMPLIED WARRANTIES

There are no other warranties, expressed or implied, including but not limited to those of merchantability or fitness for a particular purpose. The duration of implied warranties is limited to the warranty length specified in Paragraph I.

VI. TO OBTAIN TECHNICAL SUPPORT

If you have already referenced your product owner's manual and still need help, you may contact us by phone at +1 (800) 228-9395, by email at service@nzxt.com, or visit the NZXT Support site at nzxt.com/customer-support.

VII. HOW TO OBTAIN A WARRANTY SERVICE FROM NZXT

To receive a warranty service for your product when purchased directly from NZXT, you must submit a request via the NZXT Support site outlining the problem. If a technician deems the product defective or requiring testing, you will be required to provide a copy of your proof of purchase, which will enable you to submit a Return Merchandise Authorization "RMA" request.

Once approved, you`ll receive an RMA number, upon which you will be asked to ship the defective item back to NZXT with the RMA number clearly marked or labelled on the package. NZXT recommends that appropriate measures are taken to safeguard the product from damage during shipping.



VIII. APPLICABLE LAW AND ADDITIONAL LEGAL RIGHTS FOR CONSUMERS

This warranty gives you specific legal rights. These conditions are governed and construed in accordance with the laws of California (with exception of its conflict of law provisions), and the application of the United Nations Convention of Contracts for the International Sale of Goods is expressly excluded. The non-exclusive jurisdiction of the courts of California is agreed, which means that you may bring a claim to enforce your consumer protection rights in connection with this Global Warranty in the country which you have your habitual residence where you may have additional rights. These rights may vary.

For original consumers who are covered by consumer protection laws or regulations in their country, state, or province of purchase or, if different, their country, state, or province of residence, the benefits conferred by this warranty are in addition to all rights and remedies conveyed by such consumer protection laws and regulations. To the extent that liability under such consumer laws can be limited, NZXT's liability is limited, and its sole option, to repair or replacement, either new or refurbished, with a similar function that is equal or greater in value depending on supply.

In the United Kingdom:

- For NZXT products sold to customers in the UK, during the expected lifespan of your product your legal rights entitle you to the following:
 - > Up to 30 days: if your goods are faulty, then you can get an immediate refund.
 - > Up to six months: if your goods can't be repaired or replaced, then you're entitled to a full refund, in most cases.
 - > Up to six years: if your goods do not last a reasonable length of time you may be entitled to some money back.
- If the person seeking to rely on the guarantee is not the original consumer, the NZXT Warranty will cover the product in relation to that person provided that they are able to provide proof of the transfer of the benefit of the guarantee from the original consumer.
- The implied warranties under the Consumer Rights Act 2015 says that your goods must be as described, fit for all purposes for which such goods are usually supplied, and of satisfactory quality.

In the EU:

- If you are a consumer and have your habitual residence in the EU, you additionally enjoy the protection afforded to you by provisions that cannot be derogated from by agreement by virtue of the law where you have your habitual residence.



IX. WARRANTY SERVICE FROM RESELLERS

In the event that a warranty service is sought, you must provide proof of purchase (store receipt or invoice) in order to receive the service and if deemed necessary, repair or replacement product.

In North America:

Within the first 60 days after purchase, please return your product (or for power supplies installed within our enclosures, just the failed power supply) to your dealer or reseller for a replacement. If the product is still within warranty and you can no longer return it to your dealer, please contact NZXT Customer Support (see above) for assistance and instructions. NZXT will not accept returns without prior approval and an RMA number.

In Europe:

Within the first year after purchase, please return your product (or for power supplies installed within our enclosures, just the failed power supply) to your dealer or reseller for a replacement. If the product is still within warranty and you can no longer return it to your dealer, please contact NZXT Customer Support (see above) for assistance and instructions. NZXT will not accept returns without prior approval.

In Australasia:

Within the first two years after purchase, please return your product (or for power supplies installed within our enclosures, just the failed power supply) to your dealer or reseller for a replacement. If the product is still within warranty and you can no longer return it to your dealer, please contact NZXT Customer Support (see above) for assistance and instructions. NZXT will not accept returns without prior approval.

The cost of shipping will be borne at the first instance by you; however, if the purchased item is defective, NZXT will reimburse reasonable postage or transportation of costs.

Outside North America, Europe, and Australasia:

If your product needs to be returned within the warranty period, please contact the retailer or distributor from whom you purchased the product.



X. NZXT.COM STORE RETURNS/EXCHANGE POLICY

Eligible products under this NZXT Warranty qualify for a full refund or exchange only with an authorized RMA number and if the item is returned to the NZXT.com store inventory within 30 days of purchase. Returns are not allowed beyond 30 days of the purchase date. The NZXT.com Store reserves the right to deny any return or exchange. Refunds will be credited to the original method of payment. To initiate a return, simply submit a request via NZXT support site.

- > Visit nzxt.com/warranty and support.nzxt.com for information on warranty coverage and service.
- > Visite el sitio Web nzxt.com/warranty y support.nzxt.com para obtener información sobre la cobertura y el servicio de la garantía.
- > Visitez nzxt.com/warranty et support.nzxt.com pour les informations de la couverture de la garantie et du service.
- > Informationen zu Geltungsbereich und Service der Garantie finden Sie unter support.nzxt.com und nzxt.com/warranty.
- > Visitare il sito nzxt.com/warranty e support.nzxt.com per informazioni sulla copertura e sul servizio della garanzia.
- > Visite nzxt.com/warranty e support.nzxt.com para obter informações sobre a cobertura da garantia e assistência.
- > Подробную информацию об условиях гарантийного обслуживания см. на веб-сайте nzxt.com/warranty и support.nzxt.com.
- > 제품 보증 범위와 서비스 정보를 확인하시려면 nzxt.com/warranty 또는 support.nzxt.com 을 방문해 주시기 바랍니다.
- > 保証範囲およびサービスに関する情報については、support.nzxt.com と nzxt.com/warranty にアクセスしてください。
- > 请造访 nzxt.com/warranty 和 support.nzxt.com 了解保修范围和服务的信息。
- > 請訪問 nzxt.com/warranty 和 support.nzxt.com 了解產品保固範圍和更多服務訊息。

NZXT, Inc./ 15736 E Valley Blvd, City of Industry, CA 91744, USA
NZXT Europe GmbH/ Industriering Ost 66 | 47906 Kempen | Germany
+1 (800) 228-9395 / service@nzxt.com / [NZXT.com](https://nzxt.com)



SUPPORT AND SERVICE

If you have any questions or problems with the NZXT product you purchased, please don't hesitate to contact us using our support system. support.nzxt.com

Please include a detailed explanation of your problem and your proof of purchase. For comments and suggestions, you can e-mail our design team, designer@nzxt.com. Lastly we would like to thank you for your support by purchasing this product.

For more information about NZXT, please visit us online. NZXT Website: [NZXT.com](https://nzxt.com)

SOPORTE Y SERVICIO

Si tiene preguntas o problemas con el producto NZXT que usted compró, no dude en ponerse en contacto con service@nzxt.com y suministrar una explicación detallada de su problema así como su prueba de compra. Puede hacer consultas sobre piezas de repuesto en support.nzxt.com. Para comentarios y sugerencias, escriba un mensaje de correo electrónico a nuestro equipo de diseño: designer@nzxt.com. Gracias por comprar un producto NZXT. Para más información acerca de NZXT, visítenos en línea. Página web de NZXT: [NZXT.com](https://nzxt.com)

SUPPORT ET SERVICE

Si vous avez des questions ou des problèmes avec le produit NZXT que vous avez acheté, n'hésitez pas à contacter service@nzxt.com avec une description détaillée de votre problème et votre preuve d'achat. Vous pouvez aussi commander des pièces de remplacement auprès support.nzxt.com. Pour les commentaires et les suggestions, envoyez un email à notre équipe de design, designer@nzxt.com. Merci d'avoir acheté ce produit de NZXT. Pour plus d'informations sur NZXT, visitez notre site Web. Site Web de NZXT : [NZXT.com](https://nzxt.com)

KUNDENDIENST UND SERVICE

Falls Fragen oder Probleme bezüglich Ihres NZXT-Produktes auftreten, wenden Sie sich bitte mit einer detaillierten Problembeschreibung und Ihrem Kaufbeleg an service@nzxt.com. Ersatzteile können Sie unter support.nzxt.com anfragen. Kommentare und Anregungen senden Sie bitte per designer@nzxt.com an unser Designteam. Vielen Dank, dass Sie ein NZXT-Produkt erworben haben. Weitere Informationen über NZXT erhalten Sie im Internet. NZXT-Webseite: [NZXT.com](https://nzxt.com)



ASSISTENZA E SERVIZIO

In caso di dubbi o problemi con il prodotto NZXT acquistato, non esitate a contattarci utilizzando il nostro sistema di assistenza.

support.nzxt.com

Includere una spiegazione dettagliata del problema e la prova di acquisto. Per commenti e suggerimenti, siete pregati di inviare un messaggio al nostro team di progettisti, all'indirizzo: designer@nzxt.com. Infine, vogliamo ringraziarvi del vostro supporto con l'acquisto di questo prodotto. Per altre informazioni su NZXT, visitate il nostro sito. Sito NZXT: [NZXT.com](https://nzxt.com)

ASSISTÊNCIA E MANUTENÇÃO

Caso tenha questões ou problemas com o produto NZXT adquirido, não hesite em contactar-nos através do endereço service@nzxt.com fornecendo a explicação detalhada do seu problema e a prova de compra. Poderá solicitar peças de substituição através do endereço support.nzxt.com. Para comentários e sugestões, contacte a nossa equipa de design através do endereço de e-mail, designer@nzxt.com. Obrigado por ter adquirido um produto NZXT. Para mais informações acerca da NZXT, visite-nos online. Web site da NZXT: [NZXT.com](https://nzxt.com)

СЛУЖБА ПОДДЕРЖКИ И ОБСЛУЖИВАНИЯ

В случае возникновения вопросов или неисправностей в приобретенных вами продуктах NZXT обращайтесь по адресу: service@nzxt.com с подробным описанием проблемы и подтверждением покупки. О наличии запчастей можно узнать, обратившись по адресу: support.nzxt.com. Замечания и предложения отправляйте в адрес нашей группы разработчиков: designer@nzxt.com. Благодарим вас за покупку продукта NZXT. Более подробная информация о компании NZXT представлена на наших веб-сайтах. Веб-сайт NZXT: [NZXT.com](https://nzxt.com)



지원 및 서비스

구입한 NZXT 제품과 관련하여 질문 또는 문제가 있을 경우, 당사의 지원 시스템 (support.nzxt.com)을 사용하여 문의하십시오.

문제를 자세히 기술하고 구매 증빙을 제출하십시오. 의견 또는 제안 사항이 있을 경우 당사 설계 팀에 designer@nzxt.com으로 이메일을 보내십시오. 마지막으로 이 제품을 구입하여 당사를 응원해 주셔서 감사합니다. NZXT에 대해 자세히 알려면 온라인으로 방문하십시오. NZXT 웹사이트: NZXT.com

サポートおよびサービス

購入されましたNZXTの製品に関するご質問または問題は、問題の詳細および購入の証明を添えて、ご遠慮なくservice@nzxt.comまでご連絡ください。交換部品はsupport.nzxt.comまでお尋ねください。ご意見およびご提案は弊社設計チーム、designer@nzxt.comまでメールを送信してください。NZXT製品をご購入いただきましてありがとうございます。NZXTに関する詳細は、インターネット上のウェブサイトをご覧ください。NZXT ウェブサイト: NZXT.com

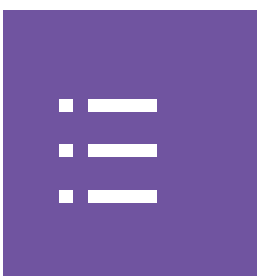
支持和服务

如果有任何疑问或者在使用 NZXT 产品的过程中遇到任何问题,欢迎联络 service@nzxt.com,联络时请提供关于问题的详细说明及购买凭证。您可以向 support.nzxt.com 查询更换部件。如有任何意见或建议,欢迎致信我们的设计团队,电子邮件地址是 designer@nzxt.com。感谢您购买 NZXT 产品。有关 NZXT 的更多信息,请造访我们的在线网站。NZXT 网站: NZXT.com

支援和服務

如果在使用NZXT 產品的過程中有遇到任何問題或疑問，歡迎聯繫 service@nzxt.com，並請提供問題的詳細敘述及購買證明。您可以透過 support.nzxt.com 查詢更換部件。如有任何意見或建議，歡迎來信與設計團隊聯繫 designer@nzxt.com。最後，感謝您購買 NZXT 產品。有關 NZXT 的更多信息，請訪問我們的網站。NZXT 網站: NZXT.com

8.3 有害物质含量说明標示/限用物質含量標示聲明



ROHS COMPLIANCE

产品名称：Signal HD60 采集卡（型号：ST-EESC1-WW）

有毒有害物质及元素

部件名称	铅(Pb)	镉(Cd)	汞(Hg)	六价铬(Cr ⁺⁶)	多溴联苯(PBB)	多溴联苯醚(PBDE)
线材	○	○	○	○	○	○
塑胶	○	○	○	○	○	○
五金	○	○	○	○	○	○
PCBA	×	○	○	○	○	○
配件	○	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量 要求以下。

×：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的 限量要求,然该部件仍符合欧盟命令 2011/65/EU 的规范。

说明：电路板：单板/电路模块上电子元器件的陶瓷或玻璃中含铅。

產品名稱：Signal HD60 採集卡（型號：ST-EESC1-WW）

有毒有害物质及元素

部件名称	鉛(Pb)	鎘(Cd)	汞(Hg)	六價鉻(Cr+6)	多溴聯苯(PBB)	多溴聯苯醚(PBDE)
線材	○	○	○	○	○	○
塑膠	○	○	○	○	○	○
五金	○	○	○	○	○	○
PCBA	×	○	○	○	○	○
配件	○	○	○	○	○	○

備考1. “超出0.1 wt %”及“超出0.01 wt %”係指限用物質之百分比含量超出百分比含量基準值。

備考2. “○”係指該項限用物質之百分比含量未超出百分比含量基準值。

備考3. “-”係指該項限用物質為排除項目。

說明：电路板：单板/电路模組上电子元器件的陶瓷或玻璃中含鉛。



CE CE Conformity

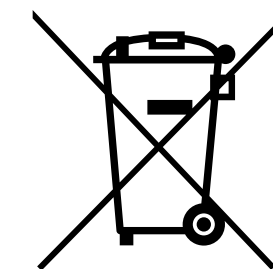
This device complies with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2014/30/EU), Low-voltage Directive (2014/35/EU), ErP Directive (2009/125/EC) and RoHS directive (2011/65/EU). This product has been tested and found to comply with the harmonized standards for Information Technology Equipment published under Directives of the Official Journal of the European Union.

FCC FCC Compliance Statement

This device complies with Part 15 of the FCC Rules, Subpart B, Unintentional Radiators. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

Canadian Department of Communications Statement

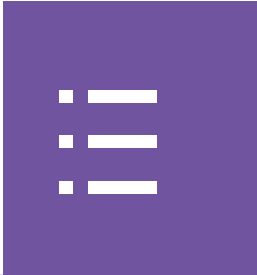
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. This class B digital apparatus complies with Canadian ICES-003.
Avis de conformité à la réglementation d'Industrie Canada Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada



WEEE Statement

Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2012/19/EU, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.

8.5 REVISION HISTORY



Version 1.0, 2022/03/29