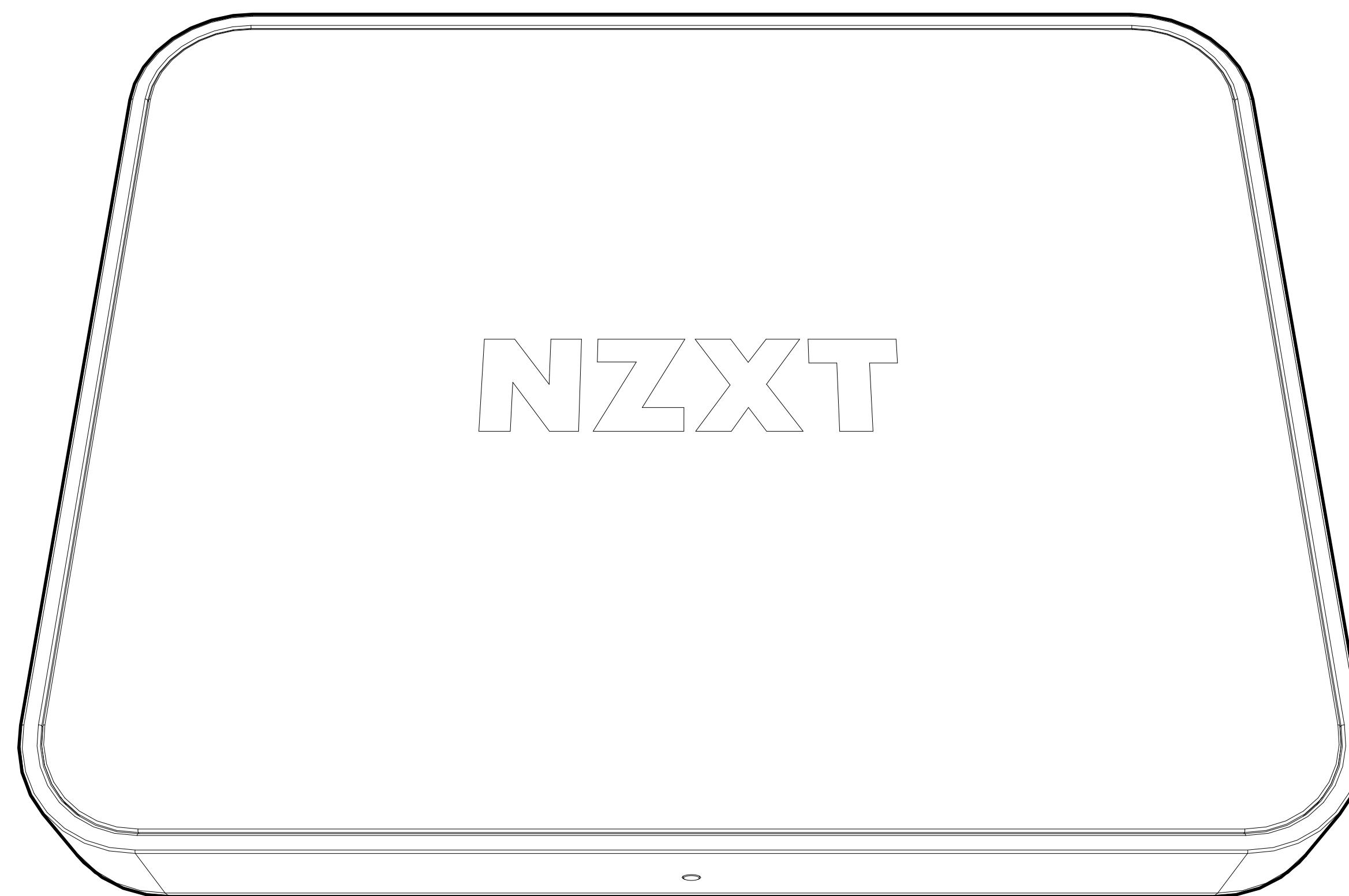


NZXT



SIGNAL 4K30

SIGNAL 4K30 外置采集卡——4K30 录制、4K60 HDR、高帧率透传

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C. 商标识别

本手册中使用的产品名称均属其各自所有者的财产，特此声明。

D. 支持和服务

如果您对购买的 NZXT 产品有任何疑问或问题，请随时通过我们的支持系统 support.nzxt.com 与我们联系。请附上问题的详细说明和您的购买证明。如有任何意见和建议，您可发送电子邮件至我们的设计团队 designer@nzxt.com。

最后，感谢您购买本产品及对本产品的支持。有关 NZXT 的更多信息，请访问我们的网站。NZXT 网站：[NZXT.com](https://nzxt.com)

E. 安全说明

在使用采集卡之前，请通读以下安全注意事项：

- 请将本产品的塑料包装袋置于儿童无法触及之处。
- 切勿以湿手触摸插头，否则会有触电的风险。
- 采集卡上的孔或开口用于通风。切勿用任何物品覆盖或堵塞通风孔。
- 切勿尝试自行拆卸或维修采集卡。

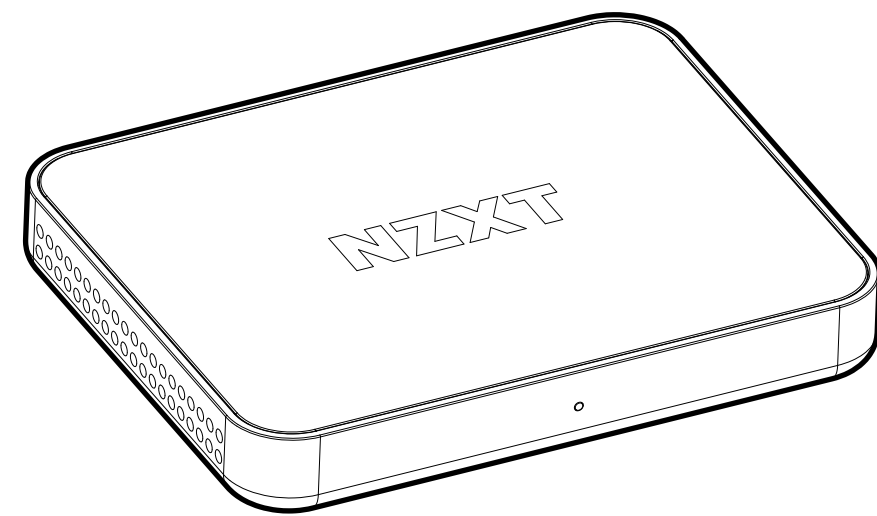
2. 包装内容

SIGNAL 4K30



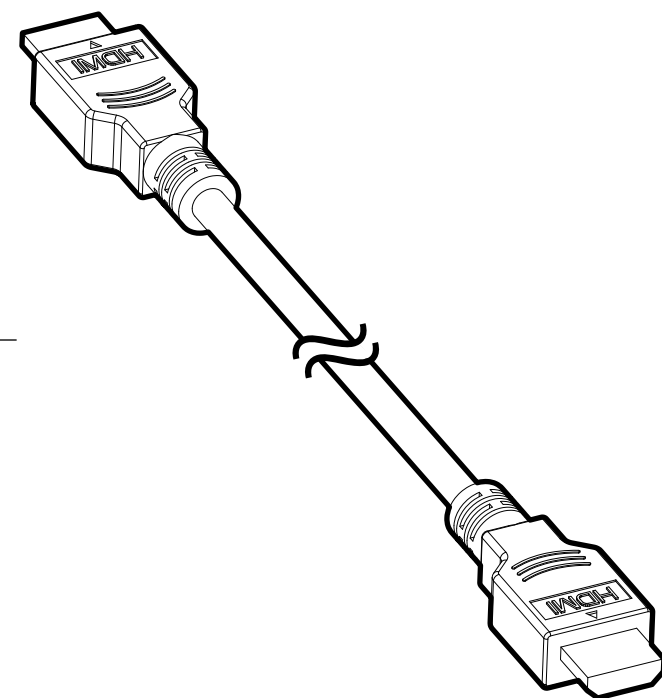
A. 采集卡

x1



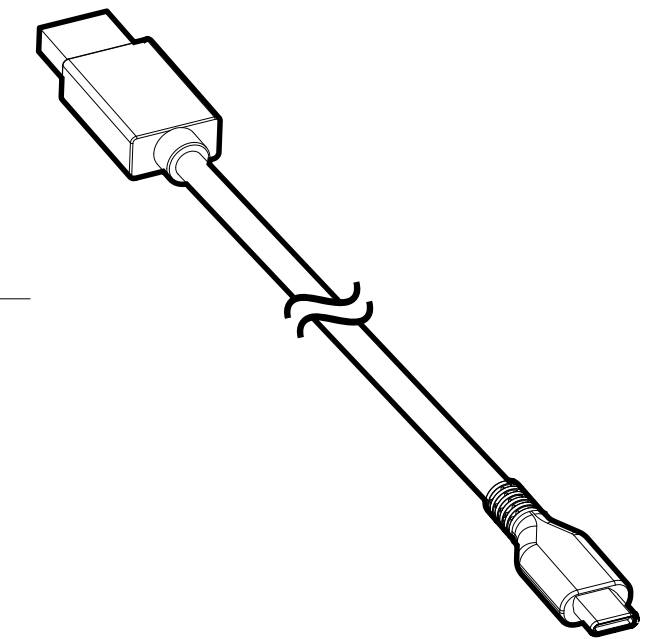
B. 150 厘米 HDMI 线

x1



C. 100 厘米 USB-C 转 USB-A 数据线

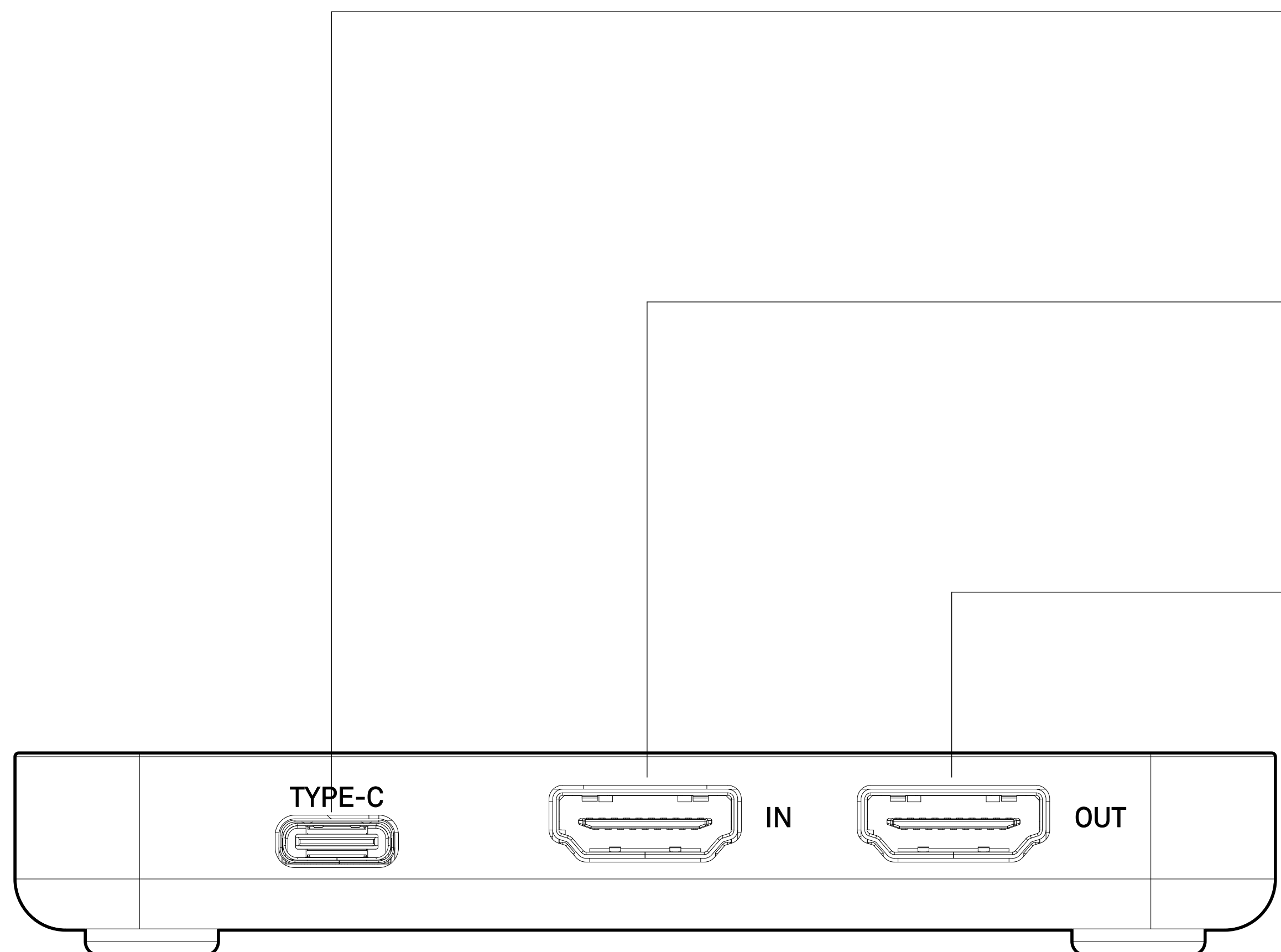
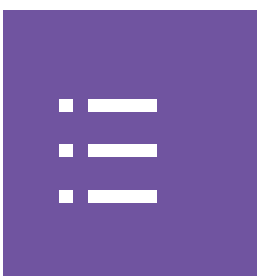
x1



D. 快速入门指南

x1





TYPE-C:

将随附数据线的 USB-C 端连接到采集卡的此端口。将 USB-A 端插入计算机上的 USB 3.2 (Gen 1) 兼容端口

IN:

将随附的 HDMI 线插入采集卡的此端口。将另一端插入您要采集的设备，例如游戏 PC、游戏机、相机或移动设备

OUT:

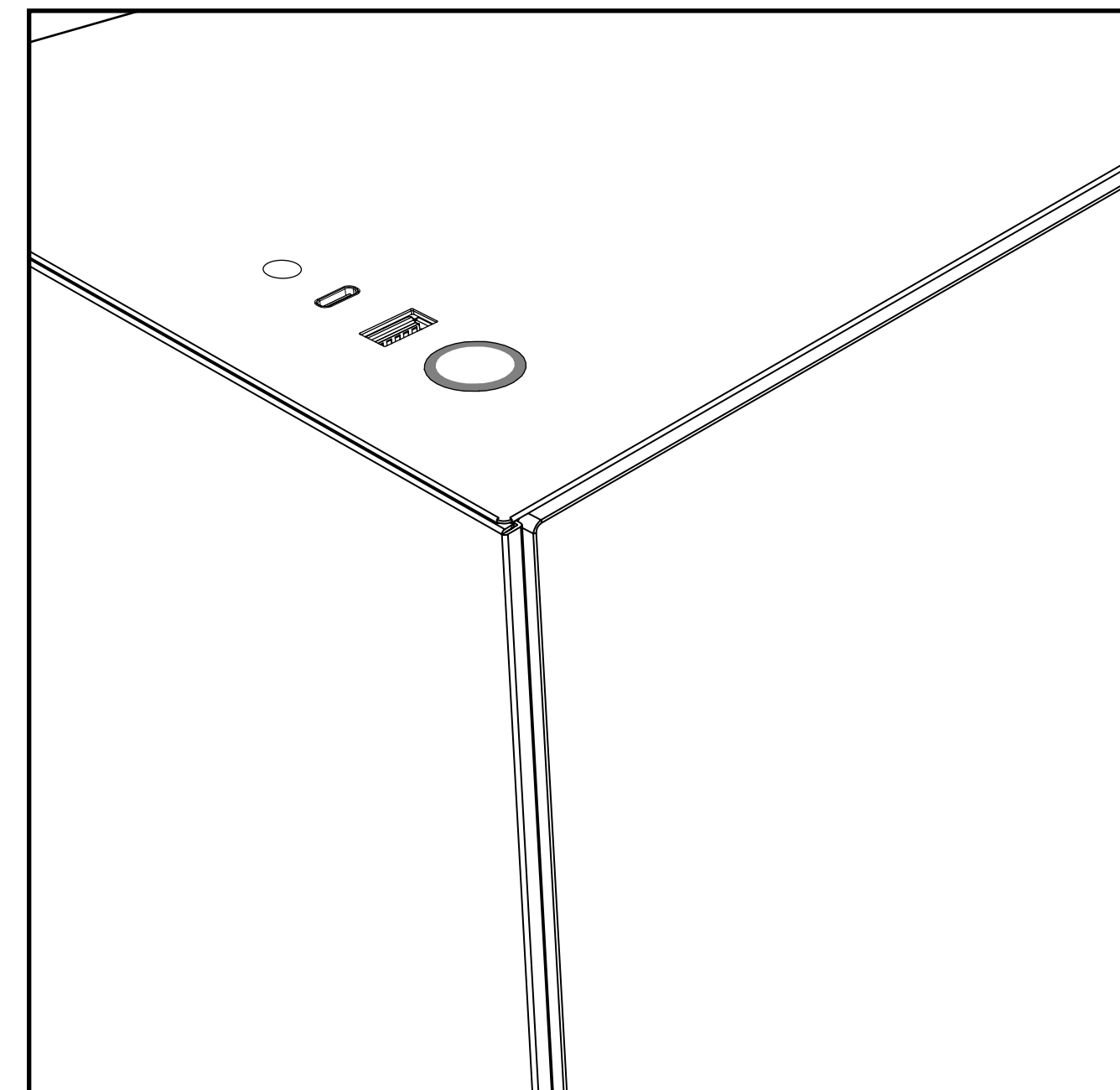
此端口允许零延迟透传且可选配。将 HDMI 2.0 线插入此端口。将另一端插入游戏显示器

4. 设置采集卡

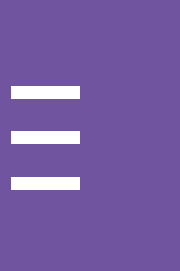


第一步 1

确保您的 PC 和您要采集的设备已关闭电源。

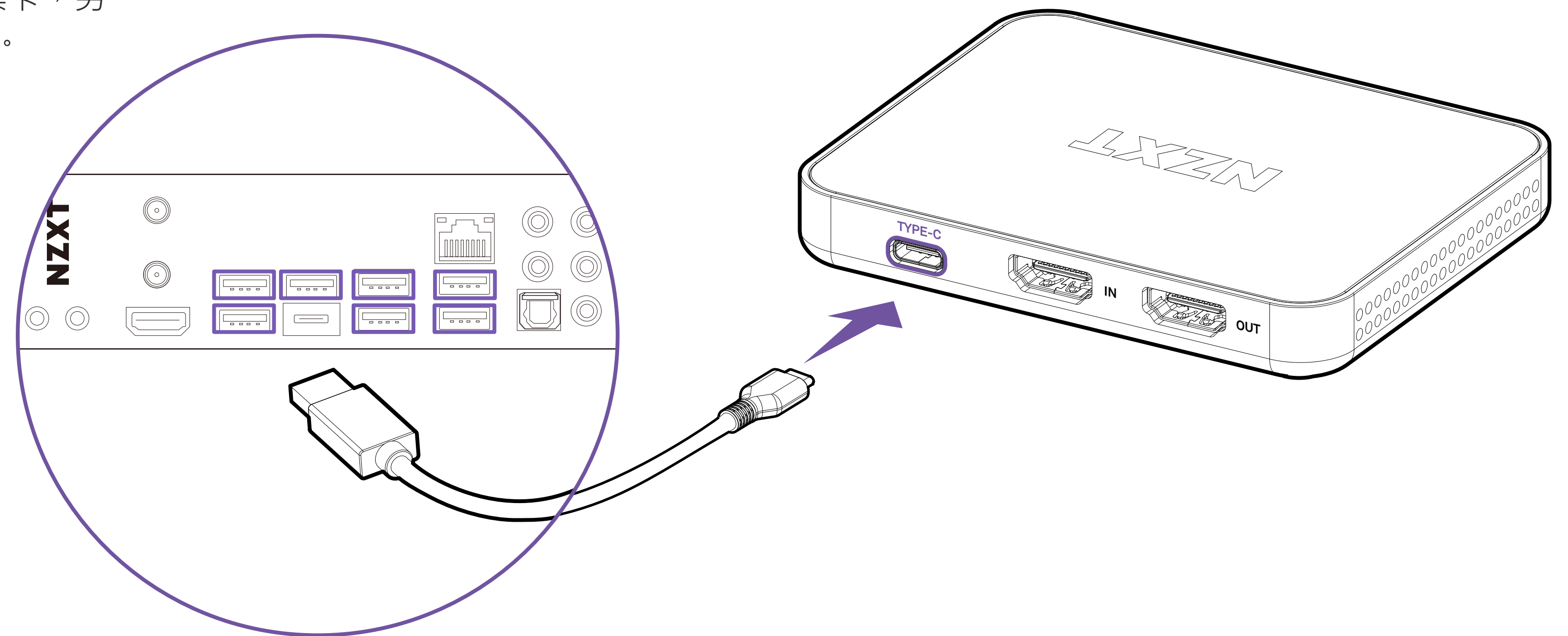


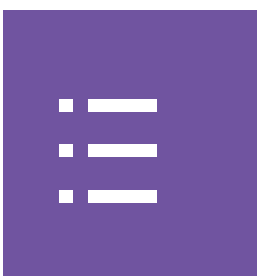
 **POWERED OFF**



第二步 2

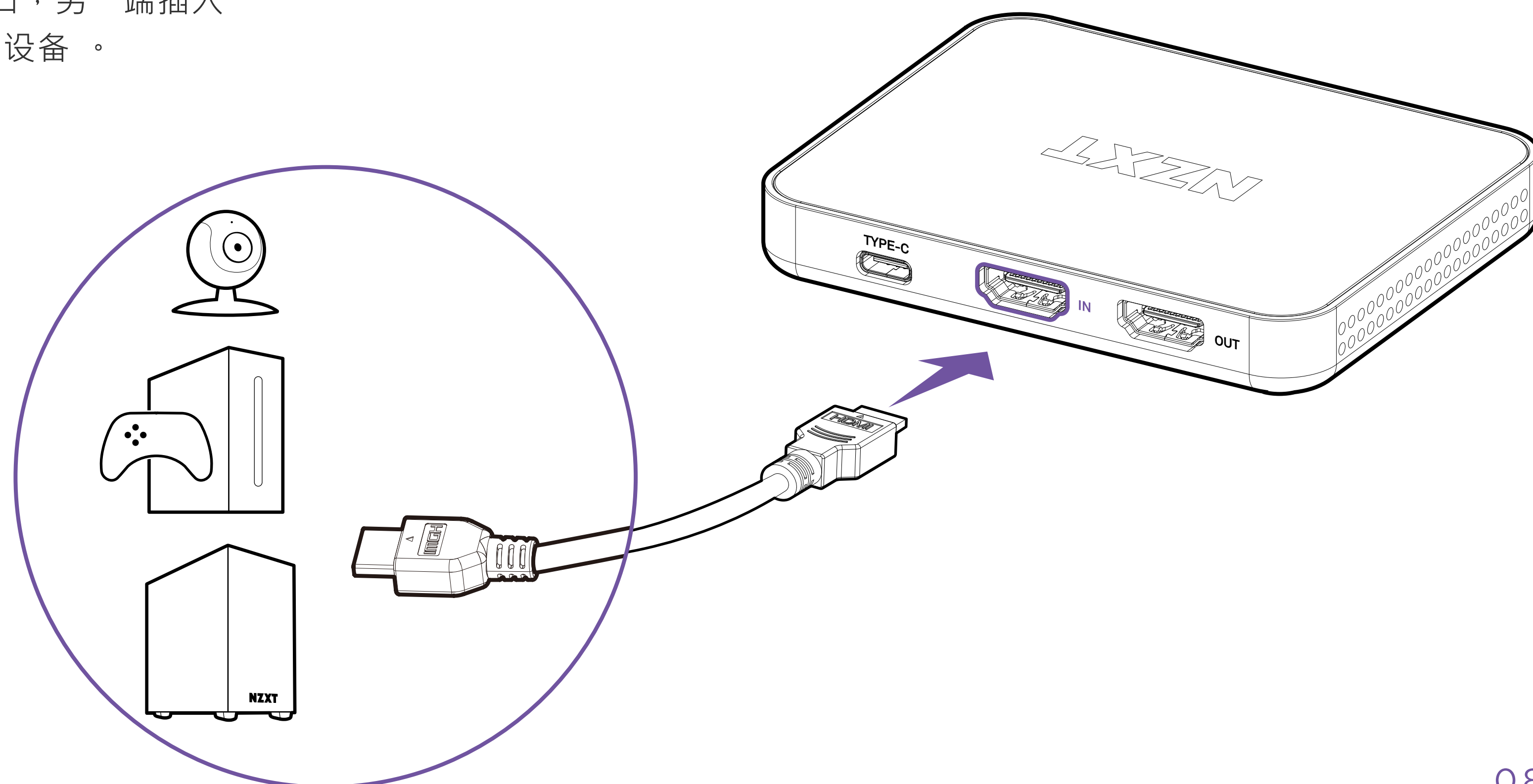
使用随附的 USB 数据线，将 Type-C 端插入采集卡，另一端插入计算机的 USB 3.2 (Gen 1) 兼容插槽中。





第三步 3

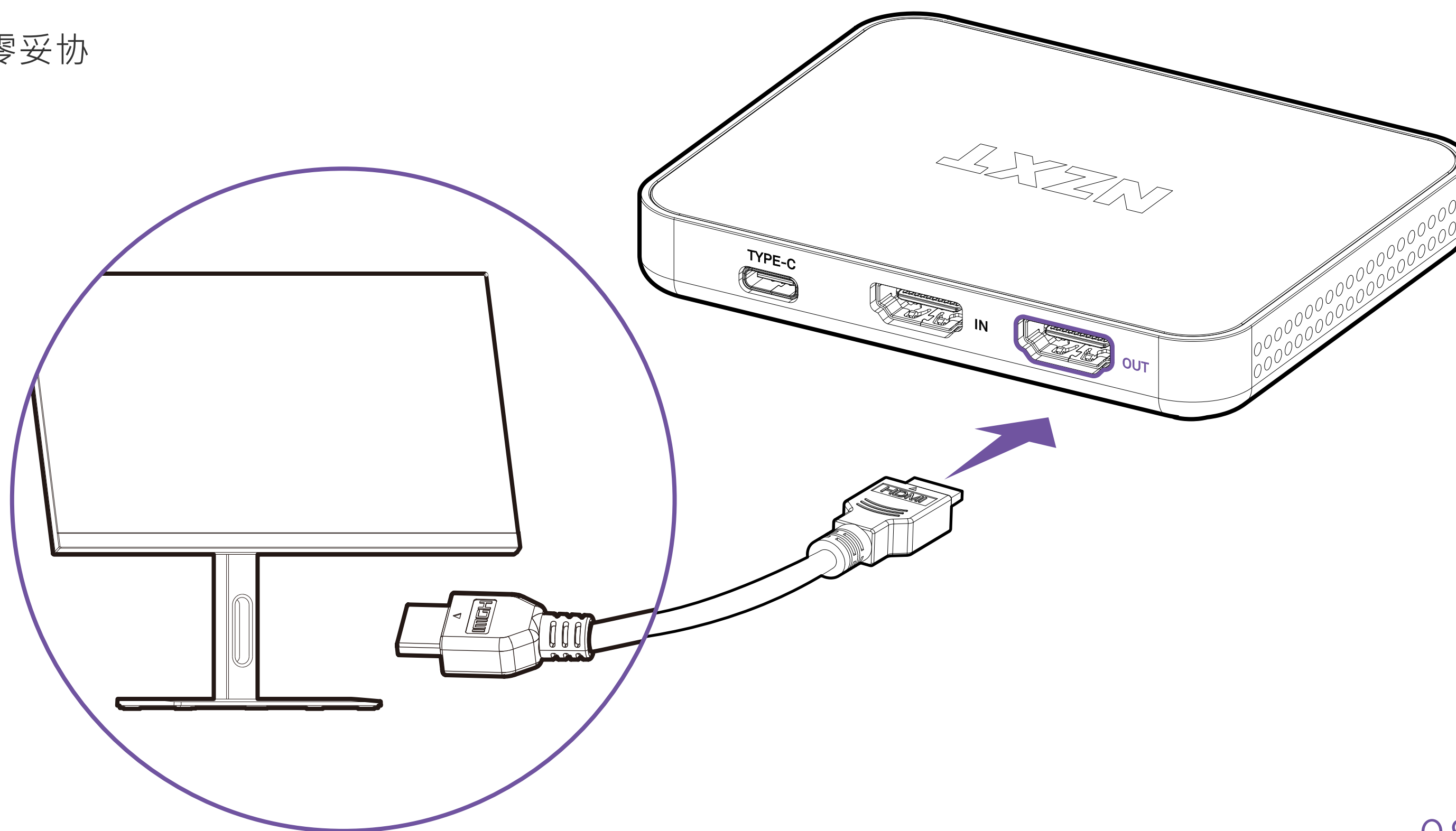
使用随附的 HDMI 线，将一端插入采集卡上的“IN”端口，另一端插入您要采集的设备，例如游戏 PC、游戏机、相机或移动设备。





第四步 4

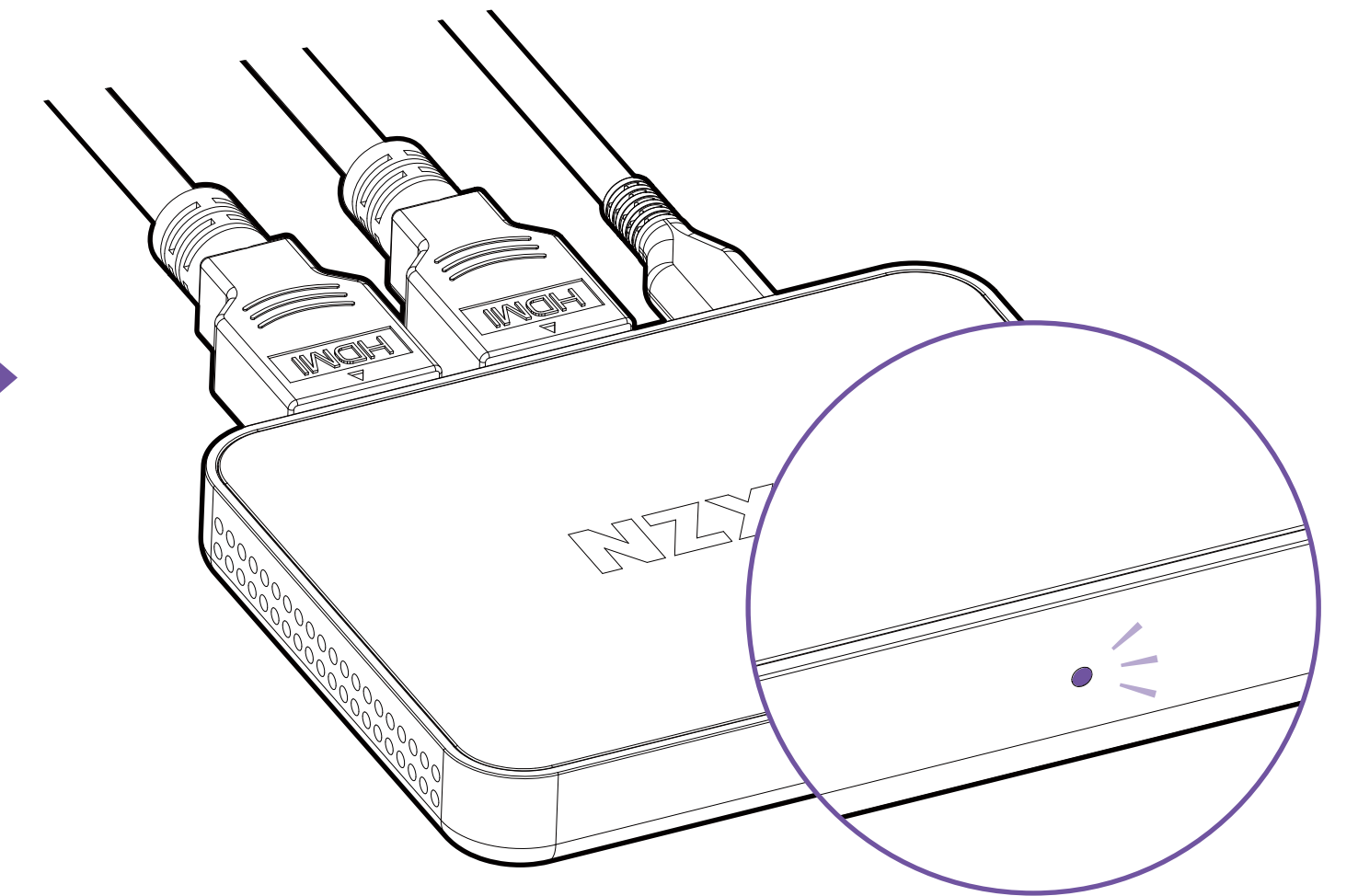
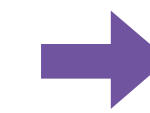
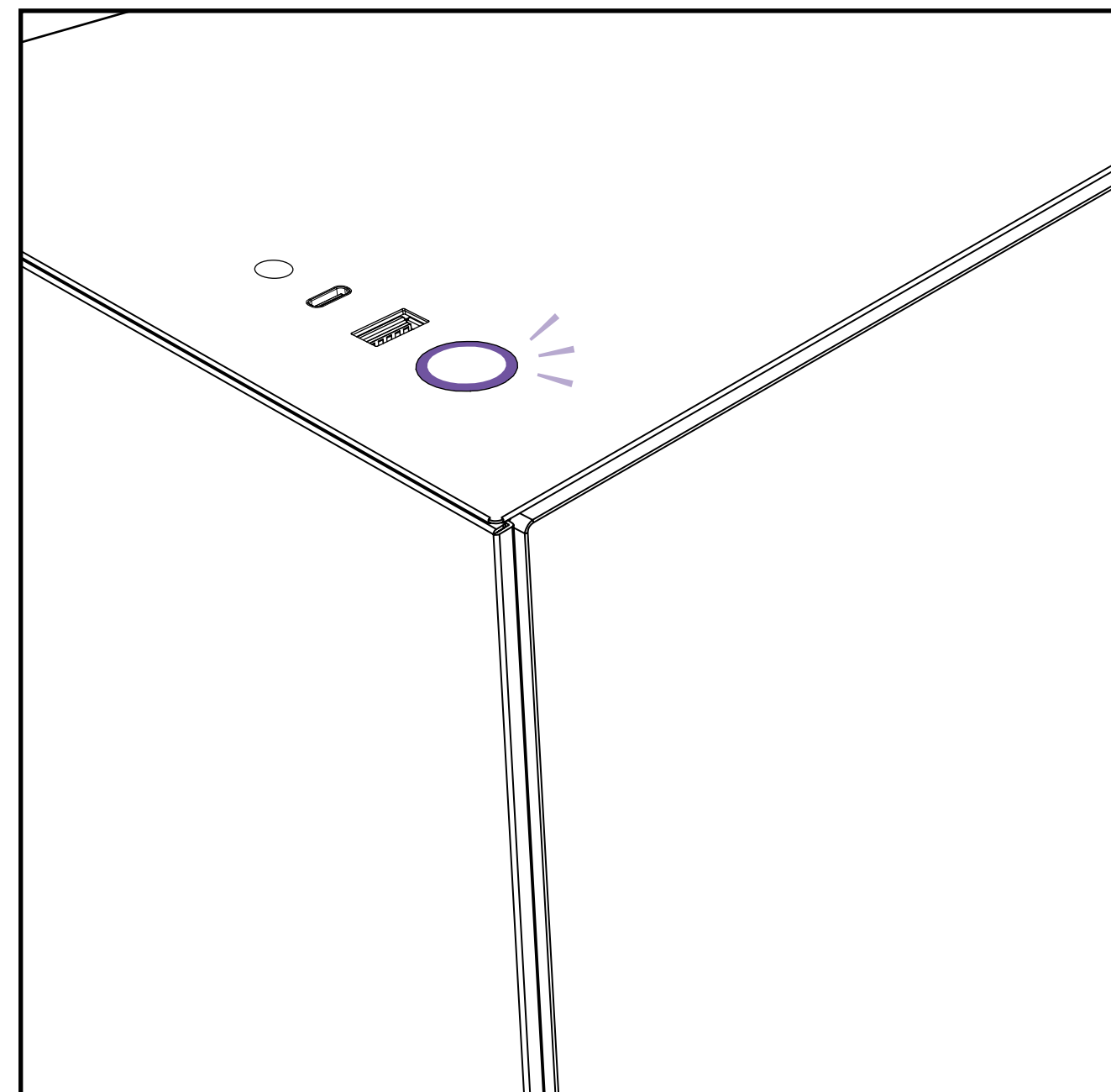
建议用于游戏机或 2 台 PC 设置：将 HDMI 2.0 线插入采集卡上的“OUT”端口，线的另一端则连接到游戏显示器。原始信号便可零妥协零延迟透传到游戏中。

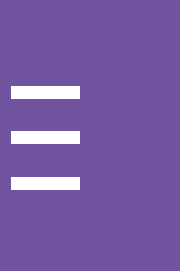




第五步 5

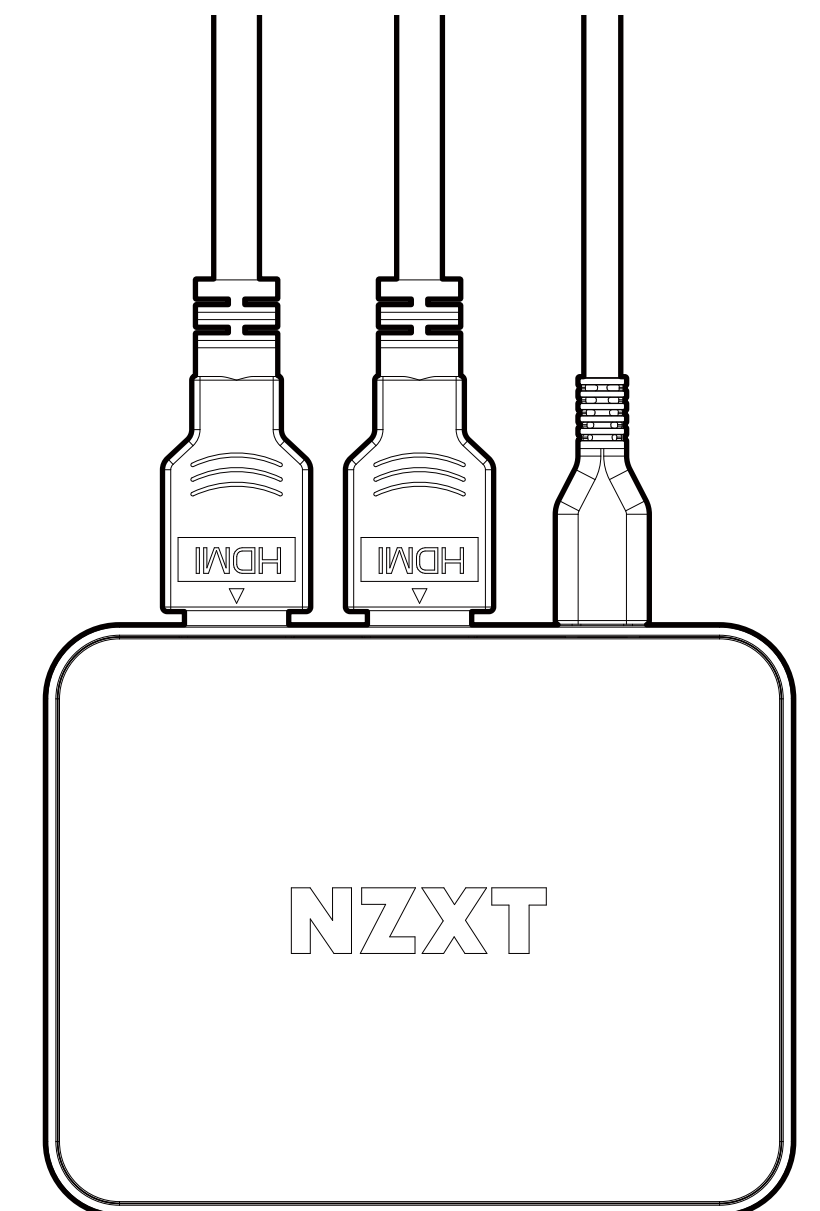
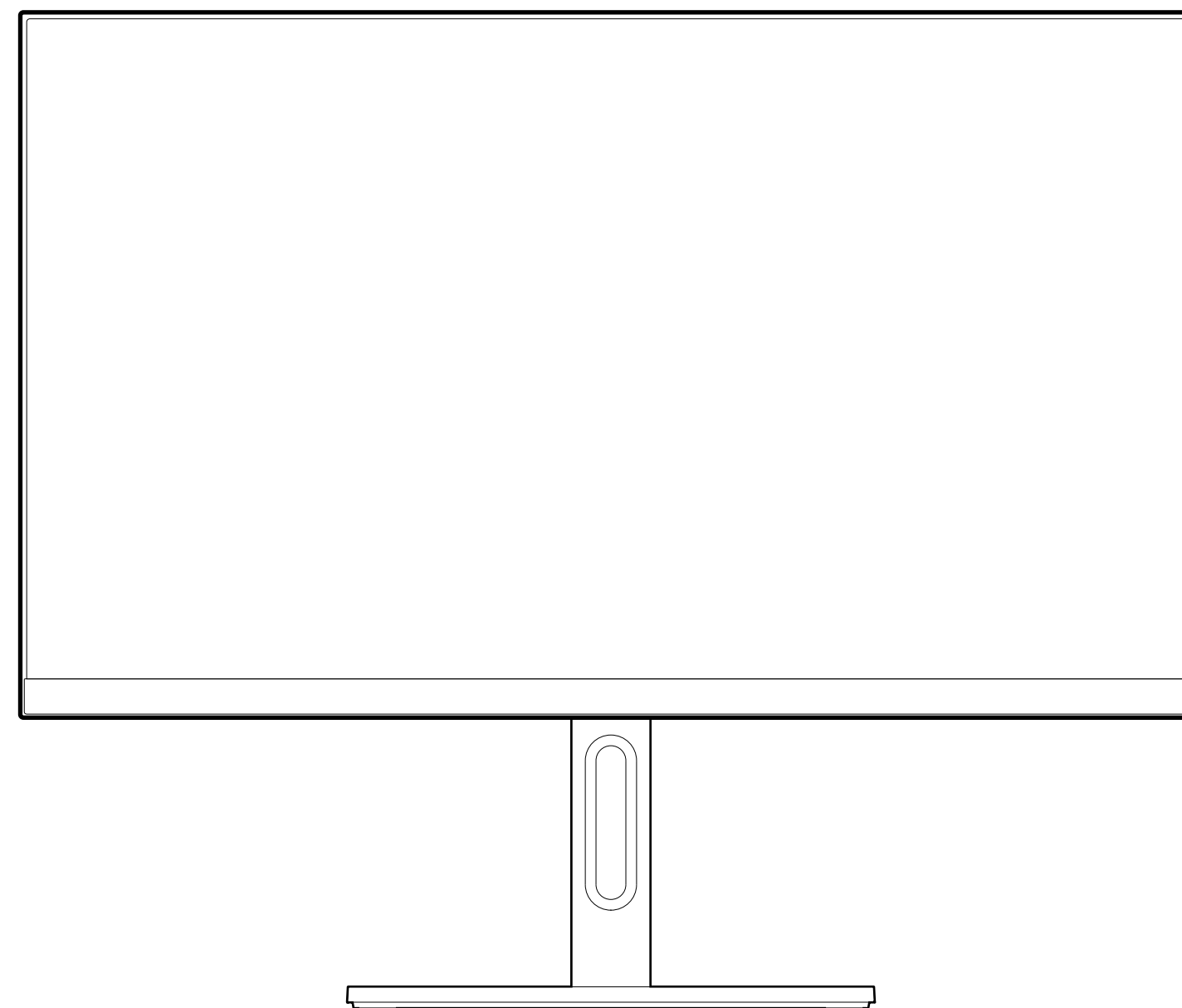
打开您的计算机和采集设备。





第六步 6

在您最喜欢的流媒体程序中，添加新的视频捕获设备作为源并查找“NZXT Signal 4K30”。



5. 软件和固件更新



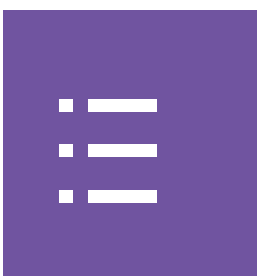
NZXT 将继续发布软件和固件更新，以使 Signal 4K30 保持最佳的运行状态。请访问 www.nzxt.com/downloads 以获取最新的软件和固件更新

6. LED 指示灯图表



灯光	描述
实白色	连接到设备并采用 USB 3.2 (Gen 1) 接口
红灯闪烁 (1 秒亮/灭)	已连接到设备，但仅检测到 USB 2.0 兼容性
实红色	连接到没有 HDCP 密钥的设备或固件更新失败
白灯闪烁 (0.5 秒亮/灭)	固件更新中
白灯闪烁 (1 秒亮/灭)	已连接到设备，但未检测到源数据

7. 规格



SIGNAL 4K30	描述
一般规格	HDMI 2.0 输入和透传
	USB 3.2 (Gen 1) Type C · 适用于电源和数据
	含连接至计算机的 USB-C 转 USB-A
	2 声道 · 16 位 · 48 kHz 音频
	符合 HDMI 2.0 · 和 DVI 1.0 规格
最大输入和透传兼容性	通过硬件将 HDR10 透传转换为 SDR 色彩
	3840x2160p 60fps HDR
	2560x1440p 144fps HDR
	2560x1080p 144fps HDR
	1920x1080p 240fps HDR
播放与录制分辨率	1920x1080i
	720p
	480p
	576p
	480i
音频	576i
	3840x2160p (30, 25)
	2560x1440p (60, 50, 30, 25)
	1920x1080p (120, 60, 50, 30, 25)
	720p (60, 50, 30, 25)
缩放比例	576p (50, 25)
	480p (60, 30)
UVC 支持的原始格式	HDMI : 立体声 16 位 48K 样本数/秒
	硬件缩小并放大至 1080p
	NV12
	YUY2 (最高适用于 1440p)



8.1 NZXT Global Warranty Policy A-2

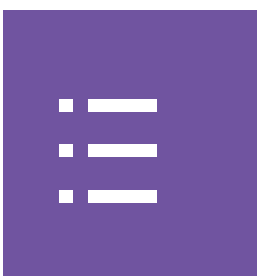
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8.3 限用物质及元素列表/限用物質及元素清單.....A-11

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

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

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



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

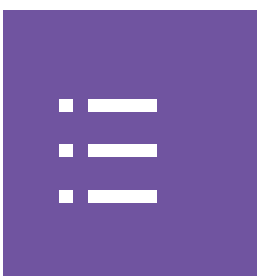
如果有任何疑问或者在使用 NZXT 产品的过程中遇到任何问题,欢迎联络 service@nzxt.com,联络时请提供关于问题的详细说明及购买凭证。您可以向 support.nzxt.com 查询更换部件。如有任何意见或建议,欢迎致信我们的设计团队,电子邮件地址是 designer@nzxt.com。感谢您购买 NZXT 产品。有关 NZXT 的更多信息,请造访我们的在线网站。NZXT 网站: NZXT.com

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

SIGNAL 4K30



ROHS COMPLIANCE

产品名称：Signal 4K30 采集卡（型号：ST-SESC1-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 4K30 采集卡（型號：ST-SESC1-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 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.

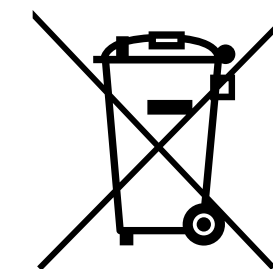
FCC Compliance Statement

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.

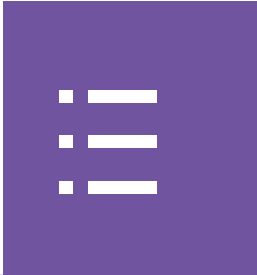
Avis de conformité à la réglementation d'Industrie Canada Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada



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, 2022/02/25