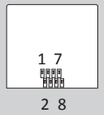
PIN Definitions

Micro-B : RS232(default)/ UART

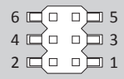
RS232	UART
1 NC	1 +V3.3S
2 RS232-TX data	2 LPSS-UART2-TX-3V3
3 RS232-RX data	3 LPSS-UART2-RX-3V3
4 RS232-RTS	4 NC
5 RS232-CTS	5 NC

8-pin COM : RS232/ RS485



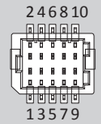
RS232	RS485
1 RS232-DSR	1 NC
2 RS232-DCD	2 TX-
3 RS232-DTR	3 RX-
4 Ground	4 Ground
5 RS232-RX	5 TX+
6 RS232-TX	6 RX+
7 RS232-CTS	7 NC
8 RS232-RTS	8 NC

PW-ON : Power On/ HDD LED/ Power LED



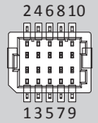
1 Power button switch on
2 Ground
3 HDD LED+
4 HDD LED-
5 Power button switch LED
6 Power button switch LED-

GPIO : GPIO pin



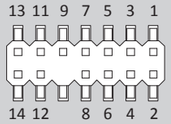
1 SIO_GPIO74
2 SIO_GPIO75
3 SIO_GPIO73
4 SIO_GPIO72
5 SIO_GPIO71
6 SIO_GPIO70
7 SIO_GPIO87
8 SIO_GPIO86
9 +V3.3S
10 Ground

80H : 80H port



1 Low PIN Count Clock
2 Ground
3 LFRAME#
4 LAD0
5 Reset
6 LAD1
7 LAD3
8 LAD2
9 3.3V power
10 SERIRQ#

TPM : TPM Module

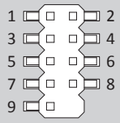


1 Low PIN Count Clock (25MHz)
2 3.3V standby
3 Reset
4 3.3V
5 LAD0
6 SERIRQ
7 LAD1
8 TPM Detect
9 LAD2
11 LAD3
12 Ground
13 LFRAME#
14 Ground

ATX : ATX Connector

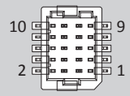
1 Ground
2 Power (19V)

COM : RS232



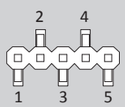
1 RS232-DCD-PHD
2 RS232-RXD-PHD
3 RS232-TXD-PHD
4 RS232-DTR-PHD
5 Ground
6 RS232-DSR-PHD
7 RS232-RTS-PHD
8 RS232-CTS-PHD
9 RS232-RI-PHD

SPI-SMB : SPI/ SMBUS/ I2C



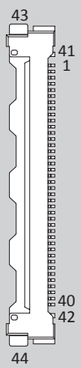
1 LPSS-I2C5-SCL-M.2
2 LPSS-I2C5-SDA-M.2
3 Ground
4 SMB-DATA-3V3
5 SMB-CLK-3V3
6 SIO-SPI1-RX-3V3
7 SIO-SPI1-TX-3V3
8 SIO-SPI1-CLK-3V3
9 SIO-SPI1-FS0-3V3
10 +V3.3S

USB : USB 2.0



1 5V Power
2 USB Data-
3 USB Data+
4 Ground
5 NC

eDP : Embedded DisplayPort



1 NC	19 LCD logic and driver power	37 LED anode/ Backlight power
2 Ground	20 LCD logic and driver power	38 LED anode/ Backlight power
3 ML_Lane 3 (n)	21 LCD logic and driver power	39 LED anode/ Backlight power
4 ML_Lane 3 (p)	22 NC	40 NC
5 Ground	23 Ground	41 Ground
6 ML_Lane 2 (n)	24 Ground	42 Ground
7 ML_Lane 2 (p)	25 Ground	43 Ground
8 Ground	26 Ground	44 Ground
9 ML_Lane 1 (n)	27 Hot plug Detect	
10 ML_Lane 1 (p)	28 Ground	
11 Ground	29 Ground	
12 ML_Lane 0 (n)	30 Ground	
13 ML_Lane 0 (p)	31 Ground	
14 Ground	32 Backlight Enable	
15 AUX CH (p)	33 Backlight PWM	
16 AUX CH (n)	34 NC	
17 Ground	35 NC	
18 LCD logic and driver power	36 LED anode/ Backlight power	

HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE

Android is a trademark of Google Inc.

25ME0-TCV900-Q0R 产地：中国 Made in China

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Ultra Compact PC Kit

Ultrakompakt-PC-Set / Kit PC ultra compact / Kit PC ultra compacto
Kit PC Ultra Compacto / Kit PC Ultra Compatto / Ультракомпактный ПК
Ultra Kompaktowy zestaw PC / Ultra Compact PC Kiti / EL-30系列超微型電腦
EL-30超微型台式计算机 / ウルトラ・コンパクトPCキット / EL-30초미니 PC 키트

Quick Start Guide

Schnellstartanleitung / Guide de démarrage rapide / Guía de inicio rápido / Guia de Início Rápido
Guida Rapida / Руководство по быстрой сборке / Skrócona instrukcja obsługi
Hızlı Başlangıç Kılavuzu / 快速入門使用者手冊 / 快速入门用户手册
クイック・スタート・ガイド / 빠른 시작 설명서

Package Contents

Lieferumfang / Contenu de l'emballage / Contenido del paquete / Conteúdo do Pacote / Contenuto Confezione
Комплект поставки / Przewodnik użytkownika / Paket İçeriği / 包裝內容物 / 包装内容物 / パッケージの内容
패키지 내용물

1 x EL-30
- NOT Include any of the following: 3G module, SIM card
- 3G-Modul, SIM-Karte, SO-DIMM-Speicher: nicht enthalten
- Ne contient pas les éléments suivants : module 3G, carte SIM
- No incluye: módulo 3G, tarjeta SIM, SO-DIMM de memoria
- Não inclui nenhum dos itens: módulo 3G, chip SIM
- Non sono inclusi: Modulo 3G, Scheda SIM
- НЕ ВХОДЯТ в комплект поставки: 3G модуль, SIM-карта
- Nie zawiera: modułu 3G, karty SIM
- 3G modülü, SIM kart, bellek dahil değildir
- 不包含下列項目：3G模組、SIM卡
- 不包含下列项目：3G模块、SIM卡
- 下記品物を除く：3Gモジュール、SIMカード
- 미포함 항목 : 3G 모듈, SIM카드

65 Watt power adapter & power cord
※輸入：DC 19V, 3.42A

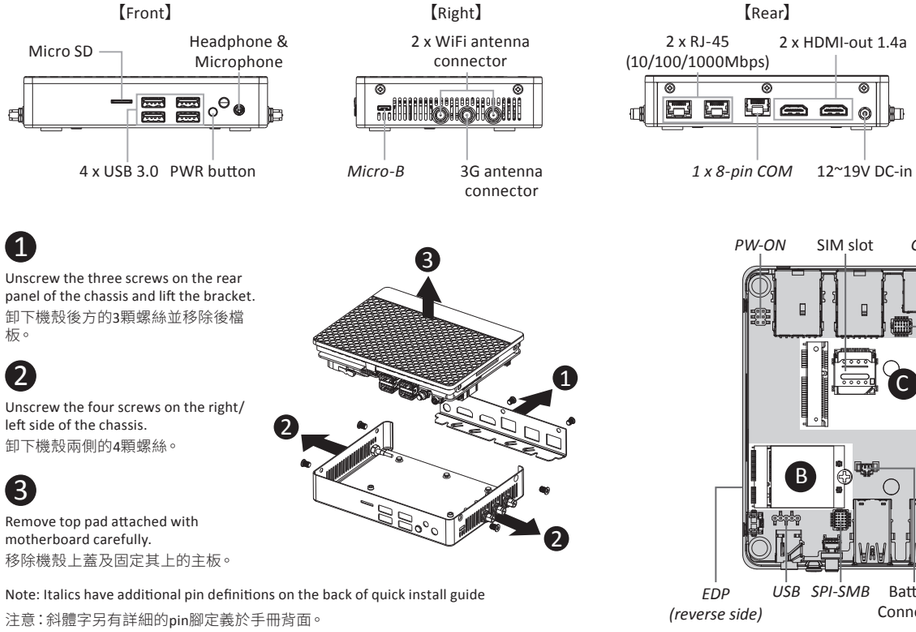
2 x WiFi antenna & 1 x 3G antenna

Quick start guide

VESA mount bracket & 6 x screws

Getting Familiar with Your Unit

Lernen Sie ihr Geräts kennen / Découvrez votre unité / Conozca su dispositivo / Conhecendo a sua unidade / Scopri la tua unità / Первое знакомство с устройством / Prezentacja zestawu / Cihazınızı daha iyi tanıyın
認識您的裝置 (※系統操作溫度0°C~35°C) / 熟悉您的设备 / 自分のBRIXについて詳しくなろう / 장치 숙지하기



1 Unscrew the three screws on the rear panel of the chassis and lift the bracket.
卸下機殼後方的3顆螺絲並移除後檔板。

2 Unscrew the four screws on the right/ left side of the chassis.
卸下機殼兩側的4顆螺絲。

3 Remove top pad attached with motherboard carefully.
移除機殼上蓋及固定其上的主板。

Note: Italics have additional pin definitions on the back of quick install guide
注意：斜體字另有詳細的pin腳定義於手冊背面。

A) Memory Installation: SO-DIMM DDR3L

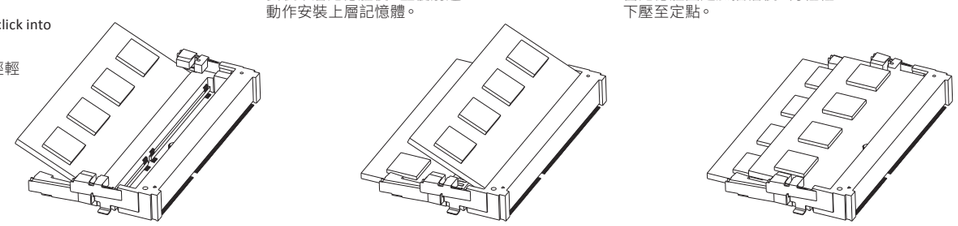
Arbeitsspeicher Installation DDR3L / Installation de la mémoire DDR3L / Instalación de la Memoria DDR3L / Instalação da memória DDR3L / Installazione Memoria DDR3L / Установка модулей ОЗУ DDR3L
Instalacja pamięci DDR3L / Bellek Yerleştirilmesi DDR3L / 安裝記憶體 / 安装内存 / メモリの増設方法 DDR3L / 메모리 설치 DDR3L

1 Carefully insert SO-DIMM memory modules.
小心並由下至上安裝SO-DIMM記憶體於記憶體插槽。

Push down until the modules click into place.
當記憶體固定於插槽後，再輕輕下壓至定點。

2 Carefully insert SO-DIMM memory modules.
安裝下層記憶體後，重覆前述動作安裝上層記憶體。

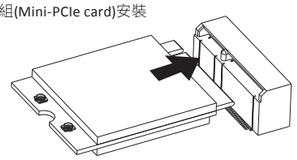
3 Push down until the modules click into place.
當記憶體固定於插槽後，再輕輕下壓至定點。



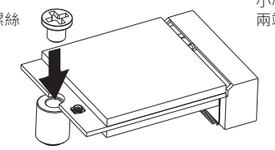
B) Wireless Module Installation: How to Safely Install a Half-size Wireless Module

Sicheres installieren eines halben Größe Wireless-Modul / Comment faire pour installer en toute sécurité un module sans fil / Cómo instalar de forma segura un módulo inalámbrico de tamaño reducido
Como instalar em segurança um Módulo Wireless de tamanho reduzido / Come installare con sicurezza un modulo Wireless di dimensioni ridotte
Как безопасно установить малогабаритный модуль беспроводной связи / Jak bezpiecznie zainstalować moduł bezprzewodowy / Yarım boyutlu Kablosuz modül nasıl güvenle kurulur
安装Mini PCIe無線網卡 / 如何安全地安装半高无线模块 / 安全にWiFiモジュールを取り付ける方法 / Half-size 무선 모듈은 안전하게 설치하는 방법

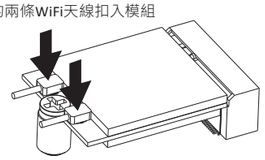
1. Carefully insert the WiFi module (Mini-PCIe card) into place.
小心的把無線模組(Mini-PCIe card)安裝於圖示B的插槽。



2. The module is secured in place with a small screw in the left corner.
使用包裝隨附的螺絲將無線模組固定。



3. Plug two WiFi antennas into the wireless module.
小心的將機殼內的兩條WiFi天線扣入模組兩端的天線接口。

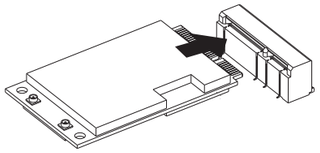


依據低功率電波輻射性電機管理辦法【第十二條】經型式認證合格之低功率射頻電機，非經許可公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。 【第十四條】低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。 前項合法通信指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。」
Note: Wireless module inclusion may vary based on local distribution.
注意：根据各地经销商之产品规格配置，有些市场将不提供预载的无线模块。

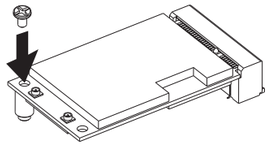
C1) Optional 3G Module Installation: How to Safely Install a 3G Module

Optional 3G Modul Installation: Wie sicher Installieren Sie ein 3G-Modul / Installation optionnelle Module 3G: Comment faire pour installer en toute sécurité d'un module 3G
Instalación del módulo 3G opcional: Cómo instalar de forma segura de un módulo 3G / Instalação opcional Módulo 3G: como instalar com segurança um módulo 3G
Installazione facoltativa di modulo 3G: Come installare in modo sicuro un modulo 3G / Дополнительный модуль 3G Установка: Как безопасно Установите модуль 3G
Opcjonalny moduł 3G Instalacja: Jak bezpiecznie zainstalować moduł 3G / Opsiyonel 3G Modülü Montaj: Güvenle 3G Modülü Nasıl Kurulur
安装選購的3G網卡 / 如何安全地安装3G无线模块 / 安全に3Gモジュールを取り付ける方法 / 3G무선 모듈은 안전하게 설치하는 방법

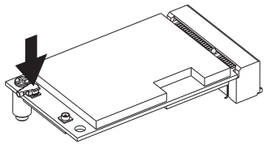
1. Carefully insert the 3G module into slot B.
小心的把3G模組安裝於圖示B插槽。



2. The module is secured in place with a small screw in the left corner.
使用包裝隨附的螺絲將無線模組固定。



3. Plug the antenna into the 3G module.
小心的將機殼內3G天線扣入模組左側的3G天線接口。

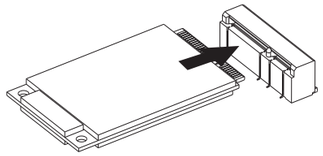


C2) Optional mSATA Installation: How to Safely Install a mSATA

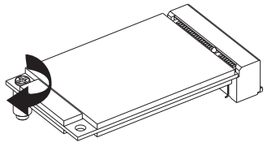
mSATA SSD: Wie Sie die mSATA SSD installieren / SSD mSATA: Comment l'installer / mSATA SSD: Cómo instalar SSD mSATA / SSD mSATA: Como instalar o SSD mSATA / mSATA SSD: Come installare un' unità mSATA SSD
Накопитель mSATA SSD: Порядок установки накопителя mSATA SSD / mSATA SSD: Jak zainstalować mSATA SSD / mSATA SSD: mSATA SSD nasıl kurulum yapılır
如何安裝mSATA SSD / 如何安装mSATA SSD / mSATA SSD：mSATA SSDの取り付け方法 / mSATA SSD : mSATA방식 SSD을 설치하는 방법

1. B slot is simultaneously designed for 3G / mSATA installation.
B插槽同時支援3G模組或mSATA SSD使用。

Carefully insert the mSATA SSD into the slot.
小心的安裝mSATA SSD於B插槽。



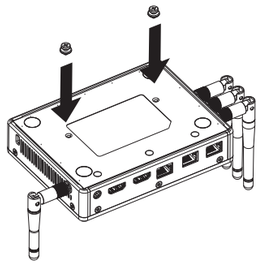
2. The mSATA SSD is secured in place with a small screw in the left corner.
使用包裝隨附的螺絲固定mSATA SSD。



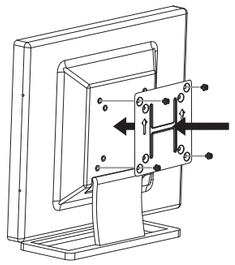
VESA Bracket

VESA-Halterung / Support VESA / soporte VESA / Suporte VESA / Staffa VESA / Крепление VESA / Uchwyt VESA / VESA Desteği / VESA支架 / VESA支架 / VESA対応ブラケット / VESA 브래킷

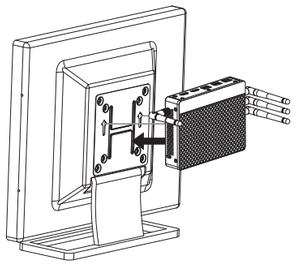
1. Attach the screws provided on underside of the PC kit.
安裝隨附的VESA支撐架螺絲於PC Kit底部。



2. Attach the VESA mounting plate to the rear of a compatible display using the screws provided.
安裝隨附的VESA支撐架於支援VESA支撐架的電腦螢幕或電視機後背。



3. The digital PC kit can now be mounted by sliding the device into place.
將已安裝VESA支撐架螺絲的PC Kit插入VESA支撐架的滑軌孔，向下壓至定位點後即可固定。



Multi-OS: Allows You to Choose the Boot Device

Multi-OS: Erlaubt Ihnen die Auswahl des Startgeräts / Multi-OS: vous permet de choisir le périphérique de démarrage / Multi-OS: le permite elegir el dispositivo de arranque
Multi-OS: permite que você escolha o dispositivo de boot / Multi-OS: consente di scegliere il dispositivo di boot / Multi-OS: позволяет выбрать загрузочного устройства
Multi-OS: pozwala na wybór urządzenia startowego / Çoklu OS: Boot cihazı seçmek için izin verir / 多系統共存：讓你輕鬆的選擇優先啟動的作業系統硬碟 / 多系统共存：让你轻松的选择优先启动的作业系统硬碟
マルチOS：あなたは簡単にオペレーティングシステムのハードディスクのブート優先順位を選択することができます / 멀티 OS : 쉽게 운영 체제 하드 디스크 부팅 우선 순위를 선택할 수 있습니다

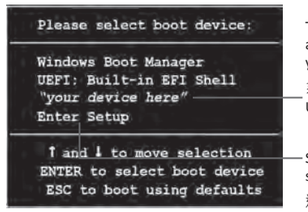
We provide a wide array of configurations for the EL-30 product, including a turnkey solution with Android™ or Windows operating systems pre-loaded in the eMMC memory. Users can switch between operating systems during the boot via an integrated device selection tool. The default boot priority of the EL-30 is as follow:
1) USB 2) mSATA 3) eMMC

EL30提供了多種客製化的產品選項，包括在eMMC預載Android或Windows作業系統的系統產品。我們同時提供方便的軟體工具讓用戶能自由選擇啟動預載在eMMC或外部硬碟裡的作業系統。預設在EL30裡的啟動優先順序如下：
1) USB 2) mSATA 3) eMMC

1. Press “F12” during device start up to enter the Boot Device select window.
開機後按啟F12鍵進入設定畫面。

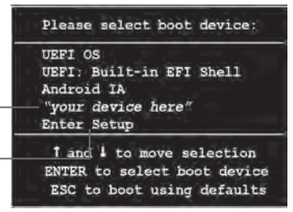
2. A Popup will show “Windows Boot Manager” in Windows pre-loaded version. Select “Windows Boot Manager” to boot via eMMC or any other auto-detected options.
在選單選擇”Windows Boot Manager”啟動eMMC裡的Windows作業系統，或選擇顯示於下方系統自動偵測的外接磁碟。

3. A Popup will show “UEFI OS” in Android pre-loaded system. Select “Android IA” to boot via eMMC or any other auto-detected options.
在選單選取”Android IA”啟動eMMC裡的Android作業系統，或選擇顯示於下方系統自動偵測的外接磁碟。



The system will automatically detect and list any USB or mSATA storage you have installed.
系統會自動檢測並列出任何已安裝在USB或mSATA存的儲存裝置。

Select “Enter Setup” to enter BIOS setup window.
選擇“Enter Setup”進入BIOS設定畫面。



Safety and Regulatory Information

Sicherheitshinweise und Normen / Information sur la Sécurité et Réglementation / Seguridad y Normativa / Informações Regulatórias e de Segurança / Informazioni di Sicurezza e Regolamenti
Меры безопасности и нормативная информация / Bezpieczeństwo i zgodność z przepisami / Güvenlik ve Yasal Bilgiler / 安全規範 / 安全規范 / 安全性と規制に関する情報 / 안전 및 규제 정보

- Risk of explosion if the battery is replaced with an incorrect type. Batteries should be recycled where possible. Disposal of used Batteries must be in accordance with local environmental regulations.
- Es besteht Explosionsgefahr, wenn die Batterie durch einen falschen Typ ersetzt wird. Batterien müssen recycelt werden, sofern möglich. Gebrauchte Batterien müssen gemäß den örtlichen Umweltschutzvorschriften entsorgt werden.
- Risque d’explosion si la batterie n’est pas dcompatible. Les piles doivent être recyclées quand cela est possible. Le rejet des batteries usagées doit être effectué en fonction des réglementations locales.
- Riesgo de explosión si se reemplaza la batería por una incorrecta. Las baterías deben ser reciclados donde sea posible. Eliminación de baterías usadas debe ser de acuerdo con las regulaciones ambientales locales.
- IRisco de explosão caso a bateria seja substituída por tipo errado. Baterias devem ser recicladas. O descarte de baterias usadas devem ser feitas em locais de acordo com o regulamento ambiental.
- Rischio di esplosione della batteria se sostituita con una non corretta. Le batterie devono essere riciclate dove possibile. Lo smaltimento delle batterie usate deve essere svolto in accordo con la regolamentazione locale.
- Характеристики батареи отличные от оригинальных могут привести к разрушению корпуса элемента (микровзрыву). Использованные батареи должны быть утилизированы в соответствии с рекомендациями местных регулирующих органов.
- Istnieje ryzyko wybuchu, w razie zastosowania nieodpowiedniego typu baterii. Zużyte baterie mogą być odpadami niebezpiecznymi. Zużyte baterie powinny być zatem segregowane i utylizowane w miejscach do tego przeznaczonych.
- Yanlış şekilde pil takıldığında patlama tehlikesi bulunmaktadır. Piller mümkün olduğunda geri dönüştürülmelidir. Kullanılmış piller yerel çevresel düzenlemelere uygun olarak atık işleme tesislerine gidecek şekilde atılmalıdır.
- 若以不正確類型的電池進行更換，可能會有爆炸的危險。應儘可能回收電。應依照當地環保法規棄置使用過的電池。
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- 間違ったバッテリーの交換は、破裂など事故の原因になります。可能であればバッテリーはなるべくリサイクルしてください。使用済みバッテリーは地域の環境規制に従い処理してください。

- Failure to use the included Model EL-30 Power Adapter may violate regulatory compliance and may expose the user to safety hazards.
- Die Nichtbenutzung des mitgelieferten Netzteils Modell EL-30 könnte eine Einhaltung gesetzlicher Vorschriften nicht mehr gewährleisten und für den Benutzer zu einem Sicherheitsrisiko werden.
- Si no se utiliza el adaptador de corriente incluido modelo EL-30 pueda violar el cumplimiento normativo y puede exponer al usuario a riesgos de seguridad.
- O não cumprimento na utilização da fonte de energia modelo EL-30 incluso, pode violar o regulamento e pode expor o usuário à riscos de segurança.
- Il mancato utilizzo della dotazione del modello EL-30 Power Adapter può violare la conformità normativa e può esporre l'utente a rischi per la sicurezza.
- Применение стороннего блока питания отличного от устройства из комплекта поставки модели EL-30 может повлечь за собой нарушение нормативных требований и правил техники безопасности.
- Użycie innego zasilacza niż dostosowany do modelu EL-30 może spowodować uszkodzenie sprzętu, a także być niebezpieczne dla zdrowia.
- Güvenlik Uyarısı: EL-30 Güç Adaptörünün kullanılmaması kullanıcıya ve cihaza zarar verebilir.
- 若未使用隨附的EL-30型號電源變壓器，可能會違反規範合規性，並讓使用者暴露在危險中。
- 若不使用随货附赠的EL-30型号电源适配器，可能不符合规格，并给用户的人身安全带来危险。
- EL-30に付属の電源アダプターと電源ケーブルは専用品となります。他の機器で使用しないで下さい、安全上の問題や各種規制違反になる場合がございます。
- 제공된EL-30전원 어댑터를 사용하지 않은 것은 관련 규정을 어긴 것이며 이로인해 안전상의 위험에 노출될 수 있습니다.
- 배터리를 잘못된 타입으로 교체하면 폭발 위험이 있습니다. 가능한한 배터리를 재활용하십시오. 수명이 다한 배터리는 현지의 환경 규정에 따라 폐기해야 합니다.