

IDX understand the importance of a high quality and timely support service, which is essential for any broadcaster and professional camera user with critical equipment to power and film to shoot. Working in partnership with our worldwide network of distributors and dealers, IDX provide a complete sales and technical support service with locations in Japan, USA, Europe and the Middle East. If you require our advice on product selection or have a question for the sales and technical support team please contact IDX.



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General Catalogue for Professional Video Users

Please visit our website for new and additional product information www.idx.tv
 IDX reserves the right to change the specifications contained herein without notice

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Excellence starts from users needs

IDX is the premier manufacturer and supplier of batteries, chargers and power supplies to the broadcast, professional video, audio and portable electronics industry. Our mission is to develop power products that professionals can use with confidence and convenience. To offer the highest quality of product, innovation and service to allow our customers to operate their equipment and concentrate on creating their images with ease.

IDX provides true global power solutions and assists our customers with a sales and support service second to none through our locations in Europe, Japan and the USA. It supports a network of hundreds of distributors and dealers worldwide, providing our customers with their sales, support and application requirements.

From our award winning battery systems to the ground breaking Wireless HD-Video Transmission system, you can be confident that IDX and its products will continue to meet the ever-changing demands and challenges of our industry. All IDX products are designed to international safety, EMC and environmental specifications and standards including IATA requirements. IDX power system products address today's challenges with advanced technology, rugged design and reliable performance. Ultra reliable high speed chargers are durable and ergonomic in design, providing unique status and performance data to the user. You can be sure that any IDX product you choose will stand the test of time.

As pioneers in the use of Lithium Ion, IDX was the first to produce Lithium Ion NP batteries to meet the needs of camera users who demanded more power and less battery weight. IDX built on that award-winning Lithium Ion NP success by introducing the ENDURA System, with revolutionary features such as PowerLink. High capacity and high performance models followed, such as the 136Wh ENDURA ELITE and high draw ENDURA-10S HD.

The ENDURA System

The ENDURA System is the cornerstone of the IDX battery philosophy. To have a lightweight, powerful battery that can be universally used on the widest range of equipment with in-built intelligence and monitoring. Using our popular V-Mount mounting system, ENDURA batteries can be used on the widest range of equipment, so future proofing your investment. The ENDURA System is a unified product line where all batteries, chargers and accessories are compatible and interchangeable. It is designed so that an ENDURA solution can be found to suit every customer's needs, from the high powered ENDURA ELITE to the compact ENDURA-7S.

Since its launch in 2000 the ENDURA System has become the world's largest selling battery system with unique market penetration in every continent.

Excellence starts with the users needs

At IDX we listen to our customers' needs worldwide to innovate and create.

Globally Aware



IDX's own 'Globally Aware' mark on our products symbolises our attention to the environmental impact of modern electronic equipment. The 'Globally Aware' mark embodies a series of battery cells in the shape of a flower. Through the IDX internal system that supports this mark we continually monitor our design and production methods to reduce the impact of toxic waste materials on our environment. We were proud to reach RoHS compliance in advance of the 2006 legal requirement and continue to expend large effort to improve our systems and procedures.

IDX Certifies to ISO 14001 Standard



Since 2005, IDX Company, Ltd. in Japan has received ISO 14001:2004 the Environmental Management System certification. This standard assures IDX ongoing commitment to achieving the best environmental practices at every level.

Certificate No. AJA05/9085
Sites Registered: 6-28-11, Shukugawara, Tama-ku, Kawasaki City, Kanagawa, Japan
Date of Registration: 27/06/2008
Date of Expiry: 26/06/2011

Corporate Development

- 1989** Established in Tokyo, Japan, to develop and manufacture batteries for broadcast video
- 1993** Head office moved to Kawasaki City, Japan
- 1994** IDX Technology Europe, Ltd. is established in London, England. IDX System Technology, Inc. is established in San Diego, USA
- 1996** Launched the NP-L40 battery, the world's first Lithium Ion NP battery
- 1998** IDX open service centre at the 1998 Nagano Olympics
- 1999** Established IDX Taiwanese Office
- 2000** Launched the ENDURA System with the ENDURA-50
- 2002** IDX USA moves to Torrance, USA
- 2003** IDX Shipment and Logistics centre established in Fussa, Japan
- 2004** IDX HQ moves to current premises in Kawasaki, Japan. BMS Battery Management System is introduced
- 2005** Established IDX Hong Kong office. IDX Company, Ltd. acquires ISO 14001 accreditation
- 2007** Launched the ENDURA ELITE, our highest capacity ENDURA battery to date. IDX Europe moves to Langley, England
- 2008** IDX Technology Europe, Ltd. establish Middle East distribution office in partnership with Alphatron Broadcast Systems FZ LLC
- 2008** IDX Technology Europe, Ltd. open German Branch office in Dusseldorf, Germany



“It is the IDX way to listen and to innovate.”

IDX Innovation and Technology

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With an established reputation for providing premium products, competitive advantage comes from the original design and innovative features built in to our products.

PowerLink

When shooting on location, there may be moments when extra power and greater capacity is needed from the battery. To solve the problem, PowerLink technology was introduced to the ENDURA battery range. The only system of its kind, PowerLink is a unique feature of the ENDURA-10 that allows users to double up on available capacity, stacking a second battery at the rear of the camera. With two ENDURA-10 batteries, 93Wh of capacity can be doubled to 186Wh.

Digi-View

Digi-View is a system that allows the remaining capacity of an ENDURA-10 and ENDURA ELITE battery to be displayed in the camera viewfinder. Cameras that do not have a standard V-Mount connection can still get the benefit of Digi-View by using the P-V2 and P-VS2 adaptor plate.

Syncron

Syncron is a feature available on the P-VS2 adaptor plate that allows an on-board camera light to be switched on and off in sync with the camera's record button, saving valuable energy and power for when it's most needed.

Battery Management System (BMS)

A growing number of broadcasters are using IDX batteries for their day to day filming and production. The IDX Battery Management System (BMS) is the only software tool on the market to perform a level of battery care that increases their operation life. BMS can monitor the condition of the ENDURA-10 and ENDURA ELITE by recording data such as model and serial number, the date of first charge, number of charge and discharge cycles, number of high loads and operating temperatures. The advantage of BMS is that information can simply be recorded and retrieved via a USB connection to a PC.

Power Base Mode

Power Base technology allows the AC-100HD and VL-2SPLUS to become totally portable and AC free power stations. In normal operation the AC-100HD uses AC power but in Power Base mode it becomes a mobile power station, using an ENDURA battery (or two in PowerLink) to provide DC power. Power Base is also featured on the VL-2SPLUS 2-channel charger. On this particular model, DC output comes from both channels simultaneously, even if two ENDURA-10 batteries are used in PowerLink.

Power Status Display and Power Indicator

All ENDURA batteries feature precise LED indication of remaining battery capacity. This is determined by an on-board microprocessor that calculates the subsequent discharge conditions. The ENDURA-10 and ENDURA ELITE have 5 LEDs, with the ENDURA-7S and ENDURA-10S HD featuring 3 LEDs.

Safety and Reliability

The safety and reliability of our products is paramount. IDX batteries and chargers are designed to cope with regular location work and withstand a high usage, so users can be confident that they will work time after time without fail. IDX Lithium Ion batteries use only the highest grade Lithium Ion cells, and both battery and charger circuits are protected against common causes of misuse such as over current, over charge, over discharge and exposure to extreme temperatures.



ENDURA Batteries

The Universal V-Mount Battery System.

ENDURA batteries can be used for the full range of video production equipment – from cameras to portable editors, monitors, audio and transmission equipment.



ENDURA System – the continuing way forward

Since its introduction in 2000, the ENDURA System of batteries, chargers and accessory equipment has grown to be the single most popular battery system in use in the professional video industry worldwide. IDX has transformed, with the highly regarded ENDURA System, the whole business of supplying power on the move. The ENDURA System is the most advanced Lithium Ion battery and charging system available.

Lithium Ion Power

All ENDURA batteries have been manufactured using only the highest grade Lithium Ion cells, an essential component to ensure battery performance remains high over a long period of time. Lithium Ion has the advantage of possessing the highest power to weight ratio available to the market, so there is significantly less weight to carry on location. Air travel, which is essential to many, is made easier with all ENDURA batteries being flight friendly and within IATA/UN limits for unrestricted carriage.

V-Mount Compatibility

Modern cameras and production equipment come equipped with V-Mount as standard or can be easily adapted to take the IDX V-Mount plate. The simplicity and convenience of having one universal mount system is recognised and the quick and robust V-Mount is now the most popular camera and accessory mount system in the world. All ENDURA System batteries and equipment are designed to be fully V-Mount compatible.



ENDURA ELITE

136Wh Li-ion Power Cartridge V-Mount Battery with Digi-View

The ENDURA ELITE is the ideal battery for the new generation of HD ENG/EPF cameras. At 136Wh capacity, the ELITE has been designed to cope with the demand of HD power consumption, while a unique twin Power Cartridge design ensures the ELITE is fully air transport compliant. In fact, the ELITE is the only Li-ion battery over 100Wh that is IATA flight friendly. To enable users to get the best out of their investment, replacement Power Cartridges can be directly fitted into the existing housing. The ELITE supports Digi-View and i-Trax Battery Management System, and is compatible on all IDX ENDURA V-Mount chargers.

ELITE Power Status

The ENDURA ELITE battery is uniquely designed with a 10 step remaining power indicator. The remaining power is shown in increments of 10% by full/flashing combination of the 5 LEDs. This information can be shown in the camera viewfinder via Digi-View. In addition, a new mode LED shows the user preset and warning conditions of the battery.

- **Capacity:** 14.8V, 9.2Ah, 136Wh
- **Typical camera run-time:** 4.53 hours (@30W)
- **Dimensions (mm):** 100(W) x 170(H) x 70(D)
- **Weight:** 1.25Kg approx.



ENDURA-10S HD (E-10S HD)

88Wh Li-ion V-Mount High Draw Battery

The ENDURA-10S HD has been designed to cope with the rigours of power-hungry HD environments by supporting sustained high current loads. It has a capacity of 88Wh and will take a continuous current draw of up to 10A (110W) to satisfy the high power consumption of HD cameras and accessories. Utilising new cell technology, the E-10S HD is one of the most durable batteries, retaining high capacity and optimum performance throughout its lifetime. The E-10S HD has an integrated 3 LED Power Indicator feature.

ENDURA-10S HD Power Indicator

The Power Indicator is for quick reference of the battery's remaining charge status. A simple 3 LED indicator shows if the battery is full or requires charge. The centre LED is used to indicate if the battery has been used since the previous full charge.

- **Capacity:** 14.4V, 6.15Ah, 88Wh
- **Typical camera run-time:** 2.93 hours (@30W)
- **Dimensions (mm):** 85(W) x 142(H) x 50(D)
- **Weight:** 750g approx.



ENDURA-10 (E-10)

93Wh Li-ion V-Mount Battery with PowerLink & Digi-View

The compact and lightweight ENDURA-10 has a capacity of 93Wh. To maximise run time, using two E-10 batteries in PowerLink will double capacity up to 186Wh, while an integrated 5 LED Power Status Display gives an accurate display of the battery capacity status. As well as PowerLink technology, the E-10 supports the Digi-View function and is compatible for use with IDX's i-Trax Battery Management System.

ENDURA-10 Power Status

The Power Status is an accurate display of the battery's remaining charge status. A six step LED shows the remaining capacity in increments of 20% plus the last remaining 10%. This information can be shown in camera viewfinder via Digi-View.

- **Capacity:** 14.8V, 6.3Ah, 93Wh
- **Typical camera run-time:** 3.1 hours (@30W)
- **Dimensions (mm):** 85(W) x 140(H) x 59(D)
- **Weight:** 780g approx.



ENDURA-7S (E-7S)

68Wh Li-ion V-Mount Battery

The compact and lightweight ENDURA-7S has a capacity of 68Wh and features an integrated 3 step LED Power Indicator to display the battery capacity status. Economical and distinctive in design, the E-7S is built to the highest standards of quality, safety and reliability proven in all ENDURA batteries.

ENDURA-7S Power Indicator

The Power Indicator is for quick reference of the battery's remaining charge status. A simple 3 LED indicator shows if the battery is full or requires charge. The centre LED is used to indicate if the battery has been used since the previous full charge.

- **Capacity:** 14.8V, 4.6Ah, 68Wh
- **Typical camera run-time:** 2.26 hours (@30W)
- **Dimensions (mm):** 85(W) x 142(H) x 33.5(D)
- **Weight:** 520g approx.



ENDURA Chargers

Simply the fastest and most innovative Li-ion chargers available.

IDX ENDURA chargers have been designed to cover the range of requirements for compact portable use, combining AC adaptor and charger to fully simultaneous multi-chemistry chargers with intelligent display and i-Trax monitoring.



ENDURA Chargers

The ENDURA charger range is the industry standard charger combining high speed, light weight and reliable operation with full international safety and EMC standards design. The optimum electronic charge regime combined with the mechanical design needs of rugged, compact and portable systems are the cornerstone of the IDX design. IDX can also develop charger units for specialist applications. In partnership with one of the world's leading broadcasters the 8-channel MC-8i was developed, specifically designed to be wall-mounted inside an OB van or any production facility.

VL-2 Series

The VL-2 series chargers are designed for compact, portable use, ideal for ENG and on-the-road use. They are designed in lightweight, high impact moulded cases and are multi-chemistry capable. They are designed for excellent reliability and have built-in AC adaptor power supplies as an added advantage.

VL-4 Series

The VL-4 series chargers are the professional choice for high battery usage. Fully simultaneous, they are the fastest way to have batteries ready and recharged. Like the 2-channel chargers they are also multi-chemistry and have worldwide AC input capability. The high end VL-4Si and VAL-4Si are also i-Trax capable.



VL-2PLUS

2-Channel Sequential Quick Charger with AC Adaptor (60W)

The lightweight and durable VL-2PLUS delivers sequential 2-channel charging with unrivalled high speed and reliability, with the advantage of an integrated 60W power supply. The VL-2PLUS is a multi-chemistry charger with the ability to charge NP-style batteries using an optional A-E2NP adaptor.

- **Quick charge current:** All ENDURA & NP-style Li-ion batteries: 2.3A.
- **Input Voltage:** AC100~240V 50/60Hz
- **Dimensions (mm):** 151(W) x 79(H) x 212(D)
- **Weight:** 950g approx.



VL-2SPLUS

2-Channel Fully Simultaneous Quick Charger with AC Adaptor (100W)

The lightweight and durable VL-2SPLUS provides simultaneous 2-channel charging with unrivalled high speed and reliability. As well as an integrated 100W power supply, the VL-2SPLUS incorporates Power Base mode to provide battery powered DC when the AC feed is unavailable. The VL-2SPLUS is a multi-chemistry charger, with the ability to charge NP-style batteries using an optional A-E2NP adaptor.

- **Quick charge current:** ENDURA ELITE, E-10 & E-10S HD Li-ion batteries: 1 battery: 4A. 2 batteries: 3A. All other ENDURA and NP-style Li-ion batteries: 3A.
- **Input Voltage:** AC100~240V 50/60Hz
- **Dimensions (mm):** 151(W) x 79(H) x 222(D)
- **Weight:** 1.1Kg approx.



VL-4S

4-Channel Fully Simultaneous Quick Charger

The VL-4S is a fully simultaneous 4-channel charger, housed in a lightweight but durable enclosure. Quick and powerful charging make the VL-4S the perfect choice for broadcast and production facilities with a high battery usage. The VL-4S is a multi-chemistry charger, with the ability to charge NP-style batteries using an optional A-E2NP adaptor.

- **Quick charge current:** All ENDURA & NP-style Li-ion batteries: 3A when up to 3ch's are charging. 2.3A when all 4ch's are charging
- **Input Voltage:** AC100~240V 50/60Hz
- **Dimensions (mm):** 156(W) x 153(H) x 288(D)
- **Weight:** 3.1Kg approx.



VL-4Si

4-Channel Fully Simultaneous Quick Charger with Intelligent Display

The VL-4Si is a fully simultaneous, high speed 4-channel charger. To monitor the charge status of each individual battery, an LCD display and control panel is located on the front of the unit. Together with IDX's BMS software the VL-4Si – via PC interface – provides battery data to help manage and extend the life of the user's battery estate. The VL-4Si is a multi-chemistry charger, with the ability to charge NP-style batteries using an optional A-E2NP adaptor.

- **Quick charge current:** All ENDURA & NP-style Li-ion batteries: 3A when up to 3ch's are charging. 2.3A when all 4ch's are charging
- **Input Voltage:** AC100~240V 50/60Hz
- **Dimensions (mm):** 156(W) x 153(H) x 288(D)
- **Weight:** 3.2Kg approx.



VAL-4Si

8-Channel (4+4) Fully Simultaneous, Quick Charger with Intelligent Display and Discharge

The VAL-4Si is one of the most advanced chargers on the market, capable of charging up to 8 batteries simultaneously. To monitor the charge status of each individual battery, an LCD display and control panel is located on the front of the unit. Together with IDX's BMS software the VAL-4Si – via PC interface – provides battery data to help manage and extend the life of user's battery estate. The VAL-4Si is a multi-chemistry charger, with the ability to charge NP-style batteries using an A-E2NP adaptor, and additional ENDURA batteries via a C-VAL2E cable adaptor. Both accessories are available separately.

- **Quick charge current:** All ENDURA & NP-style Li-ion batteries: 3A when up to 3ch's are charging. 2.3A when all 4ch's are charging
- **Input Voltage:** AC100~240V 50/60Hz
- **Dimensions (mm):** 160(W) x 200(H) x 288(D)
- **Weight:** 4.4Kg approx.
- **Compatible batteries:** All IDX ENDURA System Li-ion batteries. All IDX NP-style Li-ion batteries via A-E2NP charger adaptor. All IDX BP-type batteries



MC-8i

8-Channel Fully Simultaneous Wall-Mount Charger with Intelligent Display

The MC-8i has been designed specifically for applications where space is at a premium, such as broadcast production facilities and OB vans. The MC-8i can simultaneously charge up to 8 batteries and features two LCD displays to provide accurate charge status information for each individual battery. The MC-8i also features two XLR charge ports and two USB ports.

- **Quick charge current:** All ENDURA & NP-style Li-ion batteries: 3A when up to 3ch's are charging. 2.3A when 4ch's or more are charging
- **Input Voltage:** AC100~240V 50/60Hz
- **Dimensions (mm):** 605(W) x 433(H) x 63(D)
- **Weight:** 7.7Kg approx.
- **Compatible batteries:** All IDX ENDURA System Li-ion batteries. All IDX NP-style Li-ion batteries via A-E2NP charger adaptor



BMS

i-Trax ENDURA Battery Management System

The i-Trax ENDURA Battery Management System is a hardware / software solution which provides detailed data information from ENDURA System Lithium Ion batteries. Each ENDURA BMS compatible battery features IDX's exclusive Digital Data Protocol which stores, in non-volatile memory, the most complete battery usage information available. BMS records the battery's data into a database and displays information such as charge cycles, discharge cycles, operating temperatures, high loads and more. Users can manipulate and manage the data to increase the life of their battery system.
* Laptop or PC not included

- **i-Trax Compatible Chargers:** VL-4Si, VAL-4Si
- **i-Trax Compatible Batteries:** ENDURA ELITE, ENDURA-10

V-Plate Adaptors



V-Plate to adapt cameras and equipment to V-Mount.

The universal design of the IDX V-Plate allows the adaption of most cameras and accessory equipment to the popular V-Mount system and use of ENDURA batteries and accessories.



P-VS2

ENDURA V-Mount Plate w/2 Pin D-Tap DC out & Digi-View & Synchron

The P-VS2 V-Mount adaptor plate converts most cameras to a V-Mount battery connection, with multiple mounting holes to fit cameras of any manufacturer. The P-VS2 has a 2 pin D-Tap on the side for powering an on-board light and also features Synchron, which turns the on-board light on and off in sync with the camera record button. As part of IDX's Digi-View feature, digital battery data from the ENDURA ELITE and ENDURA-10 can be transferred through the P-VS2 to compatible viewfinder cameras.

- **Dimensions (mm):** 82.5(W) x 142(H) x 12(D)
- **Weight:** 180g approx.



P-V2

ENDURA V-Mount Plate w/2 Pin D-Tap DC out & Digi-View

The P-V2 V-Mount adaptor plate converts most cameras to a V-Mount battery connection, with multiple mounting holes to fit cameras of any manufacturer. The P-V2 has a 2 pin D-Tap on the side for powering an on-board camera light. As part of IDX's Digi-View feature, digital battery data from the ENDURA ELITE and ENDURA-10 can be transferred through the P-V2 to compatible viewfinder cameras.

- **Dimensions (mm):** 82.5(W) x 142(H) x 12(D)
- **Weight:** 160g approx.



A-E2DT

V-Mount to V-Mount Camera Adaptor with 2 pin D-Tap DC out

The A-E2DT is a V-Mount to V-Mount plate with 2 pin D-Tap connector. Supplies broadcast cameras which have no DC output connectors with a D-Tap output.

- **Dimensions (mm):** 90(W) x 142(H) x 32(D)
- **Weight:** 300g approx.



A-NH2E

V-Mount Adaptor Plate for NP/BP battery holder

The A-NH2E is a V-Mount adaptor plate for NP and BP battery holders, which allows NP or BP batteries to be used with V-Mount cameras.

- **Dimensions (mm):** 76(W) x 150(H) x 13(D)
- **Weight:** 100g approx.



A-AB2E

Adaptor Bracket to fit ENDURA batteries to 3-stud mount

The A-AB2E is intended as a temporary or transitional 3-stud to V-Mount converter plate, allowing ENDURA system batteries to be used on 3-stud mounting systems. When using the A-AB2E, the Digi-View function becomes disabled.

- **Dimensions (mm):** 96(W) x 135(H) x 27(D)
- **Weight:** 200g approx.

Wireless Adaptors



A range of adaptor brackets to allow different styles and camera fitting of wireless microphone receivers.

IDX have different wireless receiver adaptors which fit at the back of the camera for use with ENDURA batteries. They can enable side or rear fitting according to the users preference or camera style. Each bracket accommodates ENDURA batteries in PowerLink.



A-EWR

Wireless Receiver Mounting Bracket

The A-EWR bracket fits directly on the back of an ENDURA PowerLink battery to mount a wireless microphone receiver. It has a one touch quick release action and its standard 4 receiver studs can be removed by the user to provide a flat mount surface.

- **Dimensions (mm):** 72(W) x 102(H) x 17(D)
- **Weight:** 100g approx.



A-LWR

Wireless Receiver Mounting Bracket

The L-shaped A-LWR bracket mounts a wireless receiver to the side of an ENDURA battery, allowing quick and easy battery attachment. The A-LWR mounts between a P-V2 or P-VS2 plate and the camera.

- **Dimensions (mm):** 90(W) x 142(H)
- **Weight:** 150g approx.



A-SWR

Wireless Receiver Mounting Bracket

The A-SWR bracket provides a rear-mount for a wireless receiver on SONY® V-Mount cameras. It is fully adjustable to accommodate ENDURA batteries in PowerLink.

- **Dimensions (mm):** 137(W) x 94(H) x 78~128(D)
- **Weight:** 170g approx.



A-UWR

Wireless Receiver Mounting Bracket

The A-UWR bracket provides a rear-mount for a wireless receiver on cameras using a P-V2 or P-VS2 V-Mount plate. It is fully adjustable to accommodate ENDURA batteries in PowerLink.

- **Dimensions (mm):** 137(W) x 142(H) x 89~139(D)
- **Weight:** 210g approx.

Accessories



IDX offers a wide range of accessories to make ENDURA System batteries and chargers the most versatile system available.

The accessories are robust and practical, offering the ability to power monitors, transmitters or even 7.2V cameras. For camera crews this means only one set of batteries need to be carried to location to complete production.



A-E2H1

V-Mount Camera Adaptor for Canon® Cameras

The A-E2H1 adaptor is designed to allow V-Mount ENDURA batteries to power the Canon XL-H1 camcorder, automatically converting the 14.8V from an ENDURA battery down to 7.2V. The A-E2H1 also includes a 2 pin D-Tap connector to power an on-board camera light.

- Dimensions (mm): 102(W) x 142(H) x 31(D)
- Weight: 340g approx.



SD-1E

ENDURA Power Unit – 7.2V/12V Output

The SD-1E is a lightweight and compact power adaptor, with a V-Mount connection to use ENDURA battery power – offering a choice of 7.2V or 12V output. The SD-1E can be used in many applications to power audio and broadcast equipment, providing a universal mount to attach to almost any surface. The power output is via a 4 pin XLR connector. The SD-1E can also support ENDURA batteries used in PowerLink.

- Dimensions (mm): 67(W) x 106(H) x 35(D)
- Weight: 280g approx.



C-EB(XLR)

ENDURA Power Adaptor

The C-EB(XLR) is a lightweight and compact power adaptor, with a V-Mount connection to use ENDURA battery power. The C-EB(XLR) can be used in many applications to power audio and broadcast equipment, and provides a universal mount to attach to almost any surface. The power output is via 4 pin XLR connector.

- Dimensions (mm): 67(W) x 106(H) x 35(D)
- Weight: 250g approx.



A-E2NP

Adaptor to charge NP battery on ENDURA Chargers

The A-E2NP is an adaptor for charging IDX NP-style Li-ion batteries on an ENDURA V-Mount charger.

- Dimensions (mm): 76(W) x 143(H) x 41(D)
- Weight: 270g approx.



C-NP2E

Adaptor to charge ENDURA batteries on IDX NP Chargers

The C-NP2E cable adaptor allows ENDURA batteries to be charged on existing IDX Li-ion NP-style chargers.

- Dimensions (mm): Cable 500mm approx.
- Weight: 120g approx.



C-VAL2E

Charge Cable Adaptor for VAL-4Si Charger

The C-VAL2E charge cable adaptor allows additional ENDURA batteries to be charged on the VAL-4Si charger. The C-VAL2E is sold separately to the charger.

- Dimensions (mm): Cable 300mm approx.
- Weight: 60g approx.

Wireless HD-Video Transmission System

High quality, uncompressed HD wireless transmission.

Using advanced MIMO/OFDM wireless technology, high definition images are delivered uncompressed and encrypted in crystal clear professional quality. As a result, the CW-5HD is ideal for a number of live outside broadcast and studio based applications, transmitting with a latency of less than 1 millisecond.



CW-5HD

Wireless HD-Video Transmission System

The CW-5HD is designed to wirelessly transmit HD images from any standard ENG broadcast camera to field monitor in professional quality and high definition. Transmission is wireless, uncompressed and encrypted so the director, producer or even film crew can see exactly what the camera is shooting in real-time.



- Uncompressed High Definition image transmission
- Images transmitted in real-time with latency less than 1 millisecond
- Uni-cast and multi-cast modes for reception on multiple receivers simultaneously
- Automatically detects between HD-SDI and SD-SDI video
- Transmission range of 50m line-of-sight (approx) or up to 30m through walls (approx).
- Wireless transmission via MIMO/OFDM operating between the 5.1 ~ 5.8Ghz band. No special license is required for operation
- 2-channel embedded audio ensures no signal interference. Complete audio/video synchronisation
- Supports multiple video profiles and formats
- AES 256-bit strong encryption for secure transmission
- Uses integral V-Mount for camera and battery connection. Fully compatible with any of the IDX ENDURA battery range
- Selection of 4 manual or auto select frequencies, ideal if operating multiple systems
- Stylish and rugged design, with no visible or external antenna. 12W power consumption
- Conformance to major technical and environmental standards including FCC, CE and ROHS specifications

WEVI CAM ~ WAVE

V-Mount Camera AC Adaptor



A 100W V-Mount power supply that fits directly to the rear of the camera for both AC power supply and back-up battery function.

The AC-100HD can fit directly to V-Mount standard cameras or to the IDX P-V series V-Mount adaptors. The AC-100HD features two Hirose 12V regulated outputs which can be used with monitoring or audio equipment. The AC-100HD can act as a back-up station when a charged ENDURA battery is attached so that if AC power is lost or the AC cord accidentally removed, power will automatically be provided by the battery.

AC-100HD 100W V-Mount Camera AC Adaptor

A multi-functional AC adaptor with universal AC100~240V input, the AC-100HD can be directly mounted to a V-Mount camera or used elsewhere in the studio away from the camera. The AC-100HD features a 14.5V 4 pin XLR and two 12V regulated Hirose DC outputs. The unit runs silently at low loads with temperature activated low noise fan at higher loads. The AC-100HD also has a recessed power switch and is supplied as standard with a 90deg AC cord to prevent accidental cord detachment.

- **Dimensions (mm):**
100(W) x 195.5(H) x 71.5(D)
- **Weight:**
850g approx.
- **Output Voltage:**
14.5V
- **DC Power Output:**
XLR Connector – 14.5V regulated (the battery capacity and voltage is output when used in Power Base mode)
- **Hirose Connectors:**
12V regulated/3.0A (36W max)



Power Supplies

AC adaptors designed for the rigours of location work.

Portable, compact, strong and designed for reliability and long life, the IA series of power supplies offer a choice of 60W, 100W and 210W outputs. The PSU design is 'low ripple noise' to reduce signal interference and 'fall down' overload protection so that it will automatically shut down and recover if excessive load is drawn.



IA-60a 60W AC Adaptor Power Supply

The IA-60a is a single output 60W power supply with a universal AC100~240V input for worldwide operation. The IA-60a features a lightweight but rugged metal enclosure, built-in carry handle, adjustable output voltage and automatic overload protection.

- **Dimensions (mm):**
90(W) x 50(H) x 190(D)
- **Weight:**
900g approx.
- **Output Voltage:**
13.8V, 60W. Adjustable 12.5V – 15V



IA-200a 100W AC Adaptor Power Supply

The IA-200a is a dual output 100W power supply with a universal AC100~240V input. The IA-200a features two XLR outputs which will draw 100W in combination from two channels, or 100W from a single channel. The unit features a lightweight but rugged metal enclosure, built-in carry handle and automatic overload protection.

- **Dimensions (mm):**
115(W) x 50(H) x 270(D)
- **Weight:**
1.3Kg approx.
- **Output Voltage:**
13.8V, 100W



IA-300a 210W AC Adaptor Power Supply

The IA-300a is a 210W power supply with universal AC100~240V input. The IA-300a features three XLR outputs which will draw a total of 210W in combination from one, two or three output channels. The unit features a lightweight but rugged metal enclosure, built-in carry handle, adjustable output voltage and automatic overload protection.

- **Dimensions (mm):**
125(W) x 75(H) x 245(D)
- **Weight:**
2.0Kg approx.
- **Output Voltage:**
13.8V, 100W. Adjustable 12V – 17V

NP-Style Products

Batteries

Lightweight NP-Style Lithium Ion battery. The highest capacity NP-Style battery available. Ideal for NP holder equipped camera and audio recorders.



NP-L7S 68Wh NP-Style Lithium Ion Battery

- **Capacity:** 14.8V, 4.6Ah, 68Wh
- **Typical camera run-time:** 2.26 hours (@30W)
- **Dimensions (mm):** 185(W) x 72(H) x 25(D)
- **Weight:** 460g approx.

The NP-L7S, with a capacity of 68Wh and weighing just 460g, is the most highly developed NP-style battery in the industry. Internal circuit board protection, together with a tough outer casing ensures high reliability and a long cycle life. The NP-L7S features an integrated 3 step LED Power Indicator to display the battery capacity status.

Chargers

Quick charger for NP-Style batteries. Robust, compact, lightweight charger for IDX NP Li-ion batteries. The JL-2PLUS can also charge ENDURA batteries using the optional C-NP2E charger adaptor.



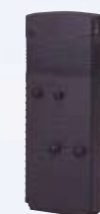
JL-2PLUS 2-Channel Sequential NP Quick Charger with AC Adaptor (60W)

- **Quick charge current:**
All IDX NP & ENDURA Li-ion batteries: 2.3A
All Ni-Cd batteries: 1.9A
- **Input Voltage:** AC100~240V 50/60Hz
- **Dimensions (mm):** 151(W) x 70(H) x 212(D)
- **Weight:** 800g approx.
- **Compatible batteries:**
All IDX NP-style Li-ion/Ni-Cd batteries. All IDX ENDURA System Li-ion batteries via C-NP2E charge adaptor

The JL-2PLUS will sequentially charge NP-style and Ni-Cd batteries in any combination, with the advantage of an integrated 60W power supply for the camera and additional equipment. The JL-2PLUS can charge ENDURA batteries using an optional C-NP2E adaptor, making it the perfect charger for Ni-Cd users to upgrade to Li-ion.

Holders

Single and dual NP holders are available in a range of configurations, with a V-Mount or direct fit, D-Tap or XLR DC out. Dual NP holders are an ideal high power solution to utilise the weight advantage of Lithium Ion.



NH-100 Single NP Battery Holder

The NH-100 is a single NP-style battery holder, designed to mount on the rear of the camera, or connect to a variety of portable broadcast equipment.

- **Dimensions (mm):** 77(W) x 200(H) x 34(D)
- **Weight:** 150g approx.



NH-100V Single NP Battery Holder with V-Mount

The NH-100V is a single NP-style battery holder, with a V-Mount connection to fit directly to the rear of an existing V-Mount camera.

- **Dimensions (mm):** 77(W) x 200(H) x 47(D)
- **Weight:** 250g approx.



NH-201 Dual NP Battery Holder with Digi-View

The NH-201 is a dual NP-style battery holder, designed to mount on the rear of the camera, or connect to a variety of portable broadcast equipment. The NH-201 can support the IDX Digi-View function.

- **Dimensions (mm):** 97(W) x 200(H) x 75(D)
- **Weight:** 300g approx.



NH-201V Dual NP Battery Holder with V-Mount Supports Digi-View

The NH-201V is a dual NP-style battery holder, with a V-Mount connection to fit directly to the rear of an existing V-Mount camera. The NH-201V can support the IDX Digi-View function.

- **Dimensions (mm):** 97(W) x 200(H) x 88(D)
- **Weight:** 400g approx.



NH-202 Dual NP Battery Holder with 2 Pin D-Tap DC output with Digi-View and Synchron

The NH-202 is a dual NP-style battery holder, designed to mount on the rear of the camera, with the ability to power an on-board light or LCD monitor via a 2 pin D-Tap connector. The NH-202 can support the IDX Synchron and Digi-View functions.

- **Dimensions (mm):** 97(W) x 200(H) x 85(D)
- **Weight:** 370g approx.



NH-204 Dual NP Battery Holder with 4 Pin XLR DC output with Digi-View and Synchron

The NH-204 is a dual NP-style battery holder, designed to mount on the rear of the camera, and can power an on-board light or LCD monitor via a 4 pin XLR DC output. The NH-204 can support the IDX Synchron and Digi-View functions.

- **Dimensions (mm):** 135(W) x 200(H) x 85(D)
- **Weight:** 360g approx.

On-board Camera Light

LED on-board camera light for power saving and cool running.

The X3-Lite utilises high powered LED technology, combining lightweight construction and compact design with high quality light dispersal. Long LED life, cool running and high luminance with no colour change over the battery voltage variation are featured on the X3-Lite.



X3-Lite Enduring High performance LED light

The X3-Lite is a 35W LED on-board camera light. Housed in a stylish but durable enclosure, the LED technology produces minimal heat and provides more than 10,000 hours of consistent and uniform light dispersal. The X3-Lite is flicker and noise free, with a built-in dimmer to adjust lighting conditions from 0-100%. A one-touch hot shoe allows the X3-Lite to be easily and quickly connected to a wide range of cameras via slide-shoe or thread mount. A 4-leaf barndoor (model X3-BD) and a choice of replacement base with D-Tap or XLR connector are available to use with the X3-Lite. Both accessories are available separately.

- **Brightness:** 35W equivalent
- **Power Consumption:** 11W max. (@ 100% light output)
- **Colour Temperature:** 5600K Daylight
- **Dimensions (mm):** 67(W) x 124(H) x 114(D)
- **Weight:** 300g approx.



X3-BD Barndoor with Filter Holder

The X3-BD is easily attached and removed from the X3-Lite using a quick release twist and lock mechanism. When the X3-BD is not required for use, the filter holders and barndoor can be quickly folded into position and packed away for easy transport.

- **Dimensions (mm):** 86(W) x 86(H) x 25(D)
- **Weight:** 170g approx.
- **Supplied parts:** 3 x Filter Frame Holders, 1 x Diffusion Filter, 1 x Amber Filter ½ (5600°K ~ 3900°K), 1 x ¼ Amber Filter (5600°K ~ 4580°K)

7.2V Chargers

Multi-channel quick chargers for 7.2V Lithium Ion Batteries.

The space saving LC-7P and LC-7S can simultaneously charge up to four batteries. Each battery channel features an LCD display for quick reference of the battery charge status. The AC adaptor can be fitted internally for storage or transport. Slide rail side connections mean a number of chargers can be fitted together to form a bank of charging channels, suitable for high volume charging.



LC-7P 4-Channel Quick Charger for Panasonic-type 7.2V batteries

The LC-7P is a 4-channel, simultaneous quick charger for 7.2V Panasonic-type Li-ion batteries. Each battery channel has its own dedicated LCD to display battery charge status. For extra convenience, the AC adaptor can be stored internally when in transit or when the charger is not in use.

- **Input Voltage:** AC100~240V 50/60Hz
- **Dimensions (mm):** AC adaptor stored internally: 264(W) x 83(H) x 138(D) AC adaptor stored externally: 264(W) x 72(H) x 138(D)
- **Weight:** 600g approx.
- **Compatible batteries:** CGP-D28S, CGA-D54S (Panasonic)



LC-7S 4-Channel Quick Charger for Sony-type 7.2V batteries

The LC-7S is a 4-channel, simultaneous quick charger for 7.2V Sony-type Li-ion batteries. Each battery channel has its own dedicated LCD to display battery charge status. For extra convenience, the AC adaptor can be stored internally when in transit or when the charger is not in use.

- **Input Voltage:** AC100~240V 50/60Hz
- **Dimensions (mm):** AC adaptor stored internally: 264(W) x 83(H) x 138(D) mm AC adaptor stored externally: 264(W) x 72(H) x 138(D) mm
- **Weight:** 600g approx.
- **Compatible batteries:** NP-F970, NP-F770, NP-F570, NP-QM91D, NP-QM71D (or equivalent)

Charging Performance Table

IDX chargers are recognised as the leading chargers for Lithium Ion batteries, particularly for speed and reliability. Our unique fully simultaneous range are truly industry leading in both quick charging and intelligence. Nothing has been spared as IDX seeks to optimise the charging performance and features of our renowned charger range.

		Lithium Ion Batteries			
		ENDURA ELITE	E-10 / E-10S HD	E-7S	NP-L7S
VL-2PLUS	1 Battery	290	220	180	180
	2 Batteries	580	440	360	360
VL-25PLUS	1 Battery	185	145	140	140
	2 Batteries	225	165	140	140
VL-4S	1-3 Batteries	240	180	155	155
	4 Batteries	290	220	180	180
VL-4Si	1-3 Batteries	240	180	155	155
	4 Batteries	290	220	180	180
VAL-4Si	1-3 Batteries	240	180	155	155
	4 Batteries	290	220	180	180
MC-8i	1-3 Batteries	240	180	155	155
	4 Batteries	290	220	180	180
JL-2PLUS	8 Batteries	290	220	180	180
	1 Battery	290	220	180	180
	2 Batteries	580	440	360	360

Above are maximum charge times in minutes assuming a fully discharged (empty) battery is placed on charge. The actual time may vary with battery age and frequency of use. This table is intended as a reference only.

The ability to charge ENDURA batteries on a JL-2PLUS and NP-L batteries on VL Series chargers assumes the use of a C-NP2E and A-E2NP adaptor respectively.

Regulations of the Air Transportation of Lithium Ion Batteries (IATA)

IDX declares that all IDX Lithium Ion battery packs are suitable for transport by air as non-hazardous articles under the regulations of the International Air Transport Association(IATA), the International Civil Aviation Organisation (ICAO) and the United Nations (UN).

Please visit www.idx.tv for news on the latest regulations from IATA, and to download IDX's Declaration of Transportation.

Notes:

1. ENDURA ELITE should not be transported if both Power Cartridges remain in the housing (BH-2). One or both Power Cartridges must be removed prior to air transportation.
2. Lithium Ion batteries offered for air transportation should be packed containing 12 or less in one single package.
3. Lithium Ion batteries should be separate and packed so as to prevent short circuit.
4. The application of IATA regulations and transport of any battery equipment may vary according to airline or carrier even when the batteries meet the IATA regulations. IDX recommend that users confirm with any carrier to determine policy prior to travel.