



**Professional Power, Wireless
Video, & Lens Filter Solutions**

2018-2019



- 1989 Establishes in Tokyo, Japan, to develop and manufacture batteries for broadcast video.
- 1993 Head office moves to Kawasaki City, Japan.
- 1994 IDX System Technology, Inc. is established in San Diego, U.S.A. and IDX Technology Europe, Ltd. is established in London, England.
- 1996 Introduction of the NP-L40 battery, the world's first Lithium Ion NP battery.
- 1998 IDX opens a service center at the 1998 Nagano Olympics.
- 1999 Establishes IDX Taiwanese Office.
- 2000 Launches the ENDURA System with the ENDURA-50.
- 2002 IDX USA moves to Torrance, California.
- 2003 IDX HQ Shipment and Logistics Center is established.
- 2004 BMS Battery Management System is introduced and IDX HQ moves to current site in Kawasaki, Japan.
- 2005 IDX Company, Ltd. acquires ISO 14001 accreditation and establishes IDX Hong Kong office. Analog wireless video transmission system is developed.
- 2007 Development of the ENDURA ELITE, our highest capacity ENDURA battery. IDX Europe moves to Langley, England.
- 2008 Introduction of HD wireless video transmission system CW-5HD. IDX USA relocates to new Torrance facility.
- 2009 IDX unveils LED on-board light X5-Lite, and E-HL9 Series batteries; ENDURA ELITE expands protocol compatibility.
- 2010 V-Mount product advancements include Power Base EB-424L, wireless mount A-MWR and shoulder adapter A-CA74E.
- 2011 Expansion of V-Mount P-V2 Plate Series allowing 12V down-conversion for small profile camcorders & HD SLR systems.
- 2012 CW-1 Wireless HDMI Transmission System is added to IDX's lineup of Wireless HD Transmission Systems and IDX receives letter of quality assurance certification from Sanyo/Panasonic.
- 2013 IDX introduces CW-7 Wireless HD-SDI Transmission System, DUO-series batteries, and ET-PV2BM & A-E2EOSC V-Mount adapter plates for popular Canon and Blackmagic camcorders.
- 2014 IDX celebrates its 25th anniversary with the addition of the CUE series batteries, high load capable E-HL10DS battery & CW-3 Wireless 3G-SDI Transmission System.
- 2015 IDX introduces the CW-F25, the first wireless H.264 25 Mbps transmitter with return video, camera control, intercom, Ethernet I/O & tally, all built into one box.
- 2016 IDX develops LIFE PLUS charging algorithm to extend battery life. High energy density DUO Compact series is developed.
- 2017 IDX steps into the lens filter business by introducing the ALPHA-I ND filter system.

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IDX Products - The Standard for Professionals Worldwide

IDX is the premier manufacturer of Lithium Ion battery power systems, HD wireless transmission solutions, and V-Mount technology for the broadcast, digital cinema, professional video, professional audio and portable electronics industries. Our mission is to develop products that professionals can use with confidence and convenience. By offering the highest quality of product and world-class service, our customers are given the power to operate their equipment as expected and concentrate solely on capturing and creating.

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—the exclusive ability to stack a second battery to double the power while maintaining intelligent battery communication.

The evolution continued with the introduction of the ENDURA High Load Series featuring high draw capabilities and excellent performance in a range of extreme environments. Continuing the innovation, advancements in battery reliability and versatility has been made with the DUO and CUE Series batteries.

IDX provides true global power and ENG solutions. We are committed to our customers with a sales support and service program second to none through our locations in Europe, Asia, Middle East Asia, Japan and the Americas. With a network of sales associates worldwide, we provide our customers with sales and technical assistance as well as service support and answers for their applications.

From our award winning battery systems to our ground-breaking wireless HD video transmission systems, 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. You can be sure that any IDX product you choose will stand the test of time.

IDX Certified 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's 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 Original Registration: July 20, 2005
Date of Renewed Registration: June 30, 2014

Globally Aware



IDX's own “Globally Aware” mark on our products symbolizes 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. We continue to expend significant efforts improving our operations and procedures to minimizing our environmental impact on the planet.

Commitment to Recycling

As part of our corporate and social responsibility, IDX is licensed to recycle all rechargeable Lithium Ion batteries in coordination with the nonprofit organization Rechargeable Battery Recycling Corporation (RBRC). IDX will receive any rechargeable Lithium Ion battery for recycling at our address below. We will do the rest for you.



Shipping Address:
IDX System Technology, Inc.
24422 S. Main St, Suite #502
Carson, CA 90745
Attn: Recycling



Batteries

Endura
SYSTEM

PROSeries

NEW
DUO-C198

Compact 191Wh Li-ion V-Mount Battery with 2x D-Tap & USB



- **Capacity**
191Wh 14.4V, 13.2Ah
- **Max Draw**
14A / 154W
- **Dimensions**
3.82 (W) x 5.75 (H) x 2.32 (D) inches
- **Weight**
2.42 lbs.
- **Protection**
over-charge, over-discharge,
over-current, & thermal protection

The DUO-C198 is the ideal compact battery solution for digital cinema cameras and camera stabilizer systems where long runtimes matter. With its ultra-robust 191Wh capacity and compact 2.4lb design, the DUO-C198 can provide mobile power to cine-style cameras such as the ARRI ALEXA Mini and RED WEAPON effortlessly for extended periods at a time. The DUO-C198 includes two D-Taps, one of which supports charging, and USB outputs to power auxiliary accessories such as monitors, lights, wireless devices, tablets, phones and more!

LED Panel Lighting



NEW
DUO-C98

Compact 96Wh Li-ion V-Mount Battery with 2x D-Tap & USB



- **Capacity**
96Wh 14.4V, 6.6Ah
- **Max Draw**
10.5A / 115W
- **Dimensions**
3.82 (W) x 5.75 (H) x 1.54(D) inches
- **Weight**
1.41 lbs.
- **Protection**
over-charge, over-discharge,
over-current, & thermal protection

The DUO-C98 is the worlds most compact high capacity IATA friendly (<100Wh) Li-ion professional battery with multiple power outputs – perfect for gimbal and aerial setups. Unrestricted amount of spare DUO-C98 batteries allowed for carry-on airline baggage under IATA regulations. The DUO-C98 comes equipped with two built-in D-Taps, one of which supports charging, and a single built-in USB output to power any additional ancillary accessories you may have.

Handheld Gimbal Operations



DUO-150

146Wh Li-ion V-Mount Battery with 2x D-Tap & USB



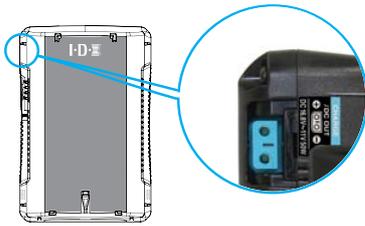
- **Capacity**
146Wh 14.8V, 9.8Ah
- **Max Draw**
10A / 120W
- **Dimensions**
3.82 (W) x 5.75 (H) x 2.32 (D) inches
- **Weight**
2.31 lbs.
- **Protection**
over-charge, over-discharge,
over-current, & thermal protection

The DUO-150 is a high-performance Li-ion V-Mount battery with a 146Wh capacity and ability to handle 10A/120W loads. The 146Wh capacity provides extended run times while remaining under the 160Wh IATA limit for carry-on baggage. The DUO-150 comes equipped with two built-in D-Tap outputs and single built-in USB output.

Remote Location EFP

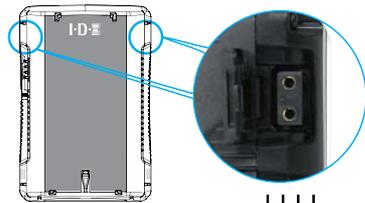


D-Tap Advanced (DUO-C Series)



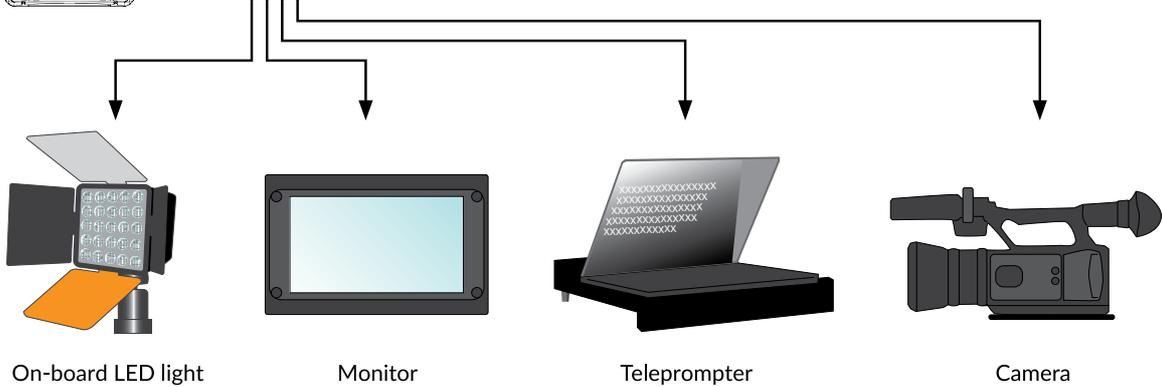
The DUO-C Series come standard with a D-Tap Advanced connector. The D-Tap Advanced port has the ability to discharge up to 80W (battery through voltage) and charge with IDX's D-Tap charger. The three pin design separates the charge and discharge terminals for safe charging and discharging operations.

D-Tap (DUO-C, DUO, CUE Series)

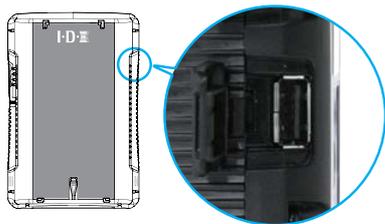


All DUO Series batteries are equipped with two (2) D-Taps, while the CUE Series only has one (1). Designed to power low draw equipment, such as on-board LED lights and monitors. Each D-Tap can handle up to an 80W draw on the DUO-C, and 50W for the DUO/CUE Series*.

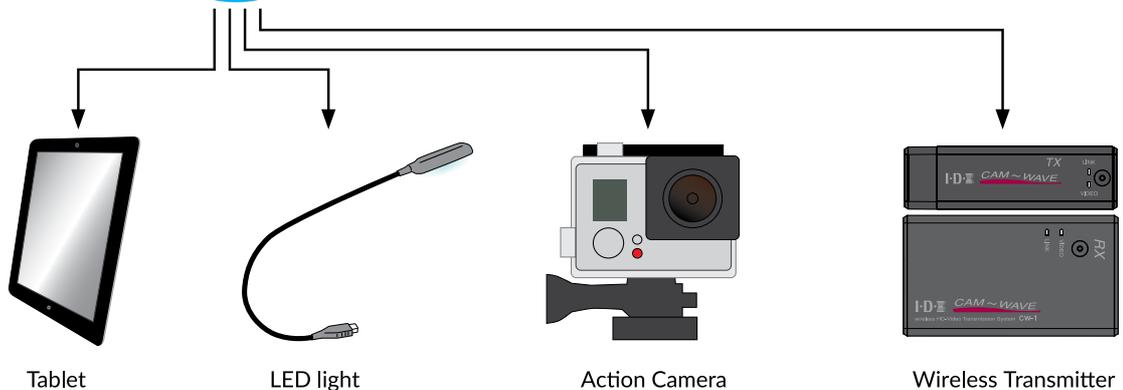
*The total draw applied to the battery should not exceed the battery's max discharge rate.



USB (DUO-C, DUO Series)



All DUO Series batteries are equipped with one (1) USB A-Type connector for powering 5V USB devices.



ENDURA Batteries

The Worldwide Standard

From feature film productions to independent documentaries, the ENDURA battery system powers cameras and peripheral equipment of all sizes from around the world.



All-Around Advantages at a More Affordable Price

The ENDURA CUE battery range has been designed to meet the most stringent PSE regulations for electrical and mechanical safety - essential for work and travel abroad. Thanks to the latest advances made in microchip technology along with improvements in battery design and build, the range provides all the benefits today's broadcasters and cinematographers need at a more affordable price.

CUE-D150

146Wh Li-ion V-Mount Battery with D-Tap



- **Capacity**
146Wh 14.8V, 9.8Ah
- **Max Draw**
10A / 120W
- **Dimensions**
3.82 (W) x 5.75 (H) x 2.32 (D) inches
- **Weight**
2.31 lbs.
- **Protection Circuitry**
over-charge, over-discharge, over-current

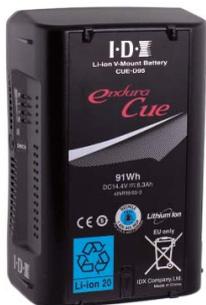
Portable Motion Control



The CUE-D150 features a robust 146Wh capacity to power digital cinematography and broadcast equipment where high current loads of 10A/120W are standard. The CUE-D150 also includes an on-battery 50W D-tap to power 12V accessories.

CUE-D95

91Wh Li-ion V-Mount Battery with D-Tap



- **Capacity**
91Wh 14.4V, 6.3Ah
- **Max Draw**
6.3A / 76W
- **Dimensions**
3.82 (W) x 5.75 (H) x 2.32 (D) inches
- **Weight**
1.8 lbs.
- **Protection Circuitry**
over-charge/discharge, over-current

CUE-D75

73Wh Li-ion V-Mount Battery with D-Tap



- **Capacity**
73Wh 14.8V, 4.9Ah
- **Max Draw**
4.9A / 59W
- **Dimensions**
3.82 (W) x 5.75 (H) x 1.54 (D) inches
- **Weight**
1.34 lbs.
- **Protection Circuitry**
over-charge/discharge, over-current

E-HL9

87Wh Li-ion V-Mount Battery with PowerLink & Digi-View



- **Capacity**
87Wh 14.6V, 6.0Ah
- **Max Draw**
10A / 120W
- **Dimensions**
3.35(W) x 5.51(H)x 2.28(D) inches.
- **Weight**
1.63 lbs.
- **Protection Circuitry**
over-charge, over-discharge, over-current, & thermal protection

PowerLink



With its high capacity and high load discharge capability of 10A/120W, the E-HL9 is an all-round top performer. Our exclusive PowerLink connects two E-HL9 batteries for a total power capacity of 174Wh. The 5 LED power status indicator gives an accurate reading of capacity in 20% increments. The E-HL9 supports Digi-View for reading battery levels in many of today's camera viewfinders. Battery Management System (BMS) can be used for enhanced diagnostics and a comprehensive review of the battery's history of use.

E-HL10DS

96Wh Li-ion V-Mount Battery with D-Tap



- **Capacity**
96Wh 14.4V, 6.6Ah
- **Max Draw**
10A / 120W
- **Dimensions**
3.82(W) x 5.75(H)x 2.30(D) inches.
- **Weight**
1.76 lbs.
- **Protection Circuitry**
over-charge, over-discharge, over-current

Steadicam Power



The E-HL10DS is an economical pack with a 96Wh power capacity. Its 10A/120W high load discharge capability translates into a 50% discharge improvement over similar models in its capacity range. Its 4 LED power indicator gives operators an immediate confirmation of the power level. The E-HL10DS comes equipped with one built-in 50W D-Tap connector for ancillary accessory power.

ENDURA ELITE

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



- **Capacity**
136Wh 14.8V, 9.2Ah
- **Max Draw**
9.2A / 110W
- **Dimensions**
3.94(W) x 6.69(H)x 2.76(D) inches.
- **Weight**
2.76 lbs.
- **Protection Circuitry**
over-charge, over-discharge, over-current & thermal protection

Travel Friendly



Remove one or both cartridges for IATA compliant air travel

At 136Wh capacity, the ELITE battery was created with a focus on the demands of high power consumption. Two identical cartridges are housed inside a rugged outer casing allowing easy exchange and reducing the cost of replacement batteries. The unique twin power cartridge design ensures it is fully compliant for air transportation. The ELITE supports Digi-View and Battery Management System (BMS) and is compatible on all IDX ENDURA V-Mount chargers. PC-14 is the dual replacement power cartridge set that replenishes and restores full battery capacity.

Battery Selector Guide

IDX offers batteries for a variety of applications and user preferences. We've simplified your options by grouping them into categories that matter to you.

High Load Capable

Perfect for power hungry camera & lighting setups



DUO-C198



DUO-150



DUO-C98



CUE-D150



E-HL10DS



E-HL9



DUO-C98



CUE-D75

Long Runtime

High capacity / high energy density (>100Wh)



DUO-C198



DUO-150



CUE-D150



ELITE

USB Output

For powering smartphones, tablets, & USB devices



DUO-C198



DUO-150



DUO-C98

D-Tap Output (*Includes D-Tap Advanced)

For powering 12V camera accessories



DUO-C198



DUO-150



DUO-C98



CUE-D150



CUE-D95



CUE-D75



E-HL10DS

Intelligent

Records usage history (BMS)



ELITE



E-HL9

Budget Friendly

Affordability with no compromise



CUE-D150



CUE-D95



CUE-D75

Extreme Temperatures

Suitable for extremely cold environments



E-HL10DS



E-HL9

Sony BP-U Series / NP-Style

PROSeries

NEW
SB-U98

96Wh Sony BP-U Series 14.4V Li-ion Battery



- **Capacity**
96Wh 14.4V, 6.6Ah
- **Max Draw**
6.4A / 70W
- **Dimensions**
1.63 (W) x 4.12 (H) x 2.74 (D) inches
- **Weight**
0.99 lbs.
- **Additional Features**
D-Tap Advanced, D-Tap & USB outputs

NEW
SB-U50

48Wh Sony BP-U Series 14.4V Li-ion Battery



- **Capacity**
48Wh 14.4V, 3.3Ah
- **Max Draw**
3.2A / 35W
- **Dimensions**
1.63 (W) x 2.6 (H) x 2.74 (D) inches
- **Weight**
0.53 lbs.
- **Additional Features**
D-Tap Advanced & USB outputs

High Capacity Small Batteries with Multiple Power Outputs

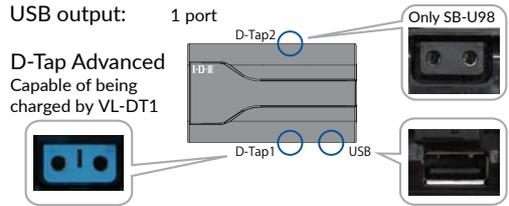
The SB-U98 and SB-U50 are battery replacement solution for the Sony FS5, FS7, PMW-Series camcorder and more. Both batteries feature one USB output and a D-Tap Advanced output, capable of charging the battery or powering 12V accessories (D-Tap charger, VL-DT1, is necessary to charge via the D-Tap Advanced port).

D-Tap/USB connector

D-Tap output: SB-U98: D-Tap Advanced & D-Tap
SB-U50: D-Tap Advanced

USB output: 1 port

D-Tap Advanced
Capable of being
charged by VL-DT1



NP-L7S

68Wh NP-Style Lithium-ion Battery



- **Capacity**
68Wh 14.8V, 4.6Ah
- **Max Draw**
4.8A / 53W
- **Dimensions**
7.28 (W) x 2.83 (H) x .98 (D) inches
- **Weight**
1.01 lbs.
- **Protection Circuitry**
over-charge, over-discharge, over-current, & thermal protection

Travel Friendly



Photo: Fernando Delgado
Company: Stickman Sound, Inc.

IDX offers the highest quality NP-style batteries, chargers and accessories. Ideal for camera, audio and other equipment using NP chassis power.

7.4V Battery System

High Capacity Lithium Ion Battery Choices for 7.4V Camcorders

PROSeries

Sony Batteries

NEW

SL-F70

9900mAh 7.2V Sony L-Series Battery



- **Capacity**
72Wh, 9900mAh
- **Max Draw**
8.0A / 40W
- **Dimensions**
1.5 (W) x 3.17 (H) x 2.78 (D) in.
- **Weight**
0.77 lbs.
- **Additional Features**
USB & X-Tap outputs

NEW

SL-F50

6600mAh 7.2V Sony L-Series Battery



- **Capacity**
48Wh, 6600mAh
- **Max Draw**
6.0A / 30W
- **Dimensions**
1.5 (W) x 2.41 (H) x 2.78 (D) in.
- **Weight**
0.55 lbs.
- **Additional Features**
USB & X-Tap outputs

Panasonic Batteries

SL-VBD96

9600mAh 7.4V Panasonic Battery



- **Capacity**
70Wh, 9600mAh
- **Dimensions**
1.62 (W) x 3.17 (H) x 2.74 (D) in.
- **Weight**
0.77 lbs.
- **Compatible Cameras**
AU-EVA1
AG-DVX200
HC-X1000
AG-HPX170/250/255
- **Additional Features**
USB & X-Tap outputs

SL-VBD64

6400mAh 7.4V Panasonic Battery



- **Capacity**
46Wh, 6400mAh
- **Dimensions**
1.62 (W) x 2.41 (H) x 2.74 (D) in.
- **Weight**
0.55 lbs.
- **Compatible Cameras**
AU-EVA1
AG-DX200
HC-X1000
AG-HPX170/250/255
- **Additional Features**
USB & X-Tap outputs

JVC Batteries

SSL-JVC75*

7350mAh 7.4V JVC Battery



- **Capacity**
55Wh, 7350mAh
- **Dimensions**
1.69 (W) x 3.16 (H) x 2.77 (D) in.
- **Weight**
0.77 lbs.
- **Compatible Cameras**
GY-HM200/600/650
GY-HMQ10
GY-LS300
- **Additional Feature**
X-Tap output

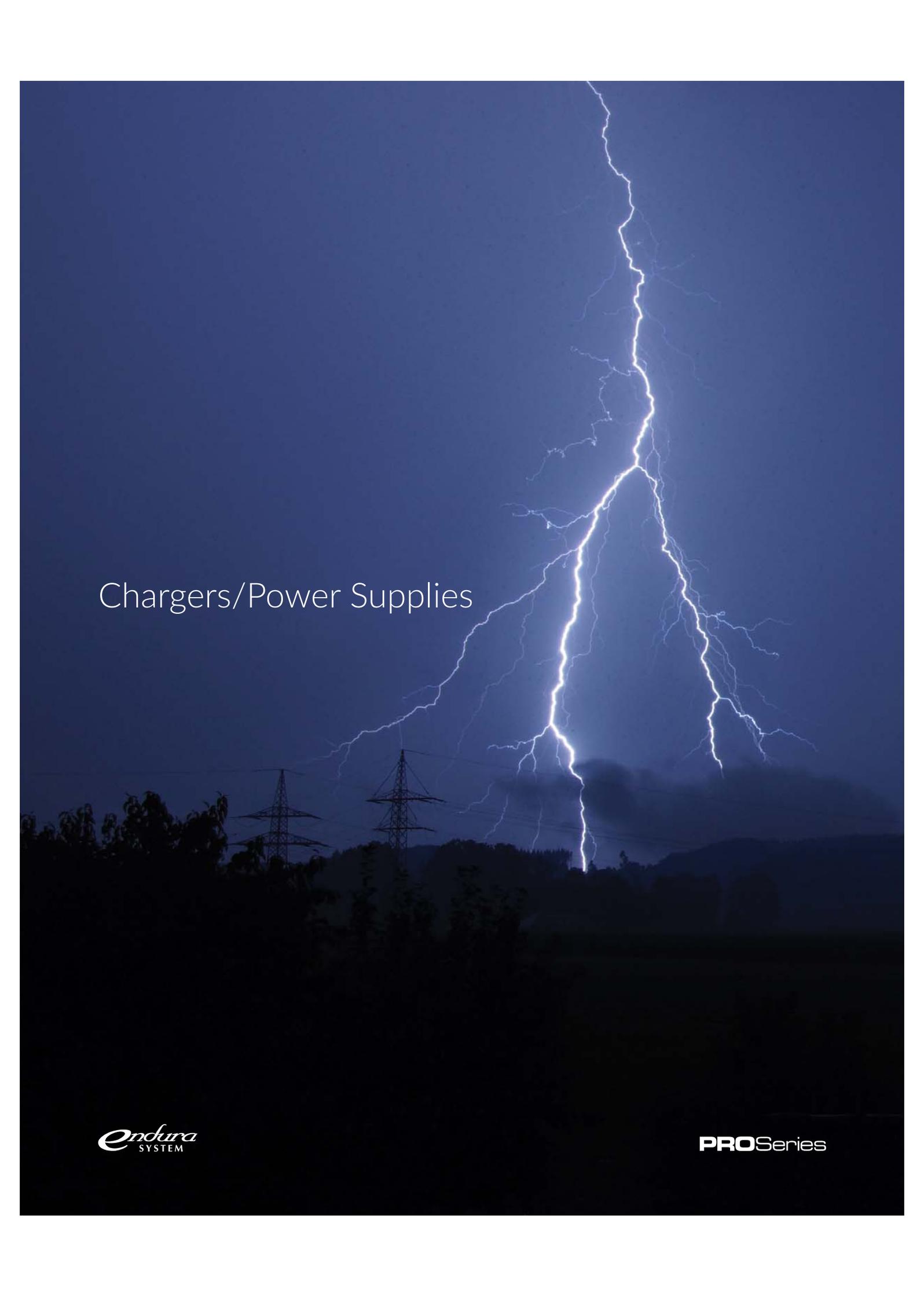
SSL-JVC50*

4900mAh 7.4V JVC Battery



- **Capacity**
37Wh, 4900mAh
- **Dimensions**
2.77 (W) x 1.69 (H) x 1.85 (D) in.
- **Weight**
0.49 lbs.
- **Compatible Cameras**
GY-HM200/600/650
GY-HMQ10
GY-LS300

* available exclusively through JVC



Chargers/Power Supplies

Endura
SYSTEM

PROSeries

Chargers

Efficient and Versatile Lithium Ion Chargers

IDX chargers are designed to meet all ranges of charging requirements. From compact portable use - to fully simultaneous, multi-chemistry chargers with Power Base, intelligent display, and battery management monitoring.



VAL-4Si

8-Channel (4+4) Simultaneous Quick Charger with BMS, LCD Display and Discharge Function



Fully Simultaneous: Charges up to 8 batteries at a time
Quick Charge Current: 3A (1-3 Batteries); 2.3A (4+ Batteries)
BP Ports: 4-channel charging base
BMS Capable: Battery Management System to extend battery life
LCD Display: Intelligent Display to monitor battery information
Multi-chemistry: Charges Li-ion, Ni-Cd and Ni-MH type batteries

Interface
V-Mount
Chemistry
Li-ion, Ni-Cd, Ni-MH
AC Input Voltage
100-240V 50/60Hz
Weight
9.70 lbs.
Dimensions
6.3 (W) x 7.9 (H) x 11.4 (D) in.

The VAL-4Si is one of the most advanced chargers on the market, capable of charging up to 8 batteries simultaneously with 4 standard V-Mount channels plus an additional 4-channel charging base. Monitoring the status of each battery is an LCD display and control panel located on the front of the unit. Joined with IDX's BMS software, the VAL-4Si - via PC interface - provides battery data on history and condition of the batteries as a means to help manage and extend overall battery life. The VAL-4Si is a multi-chemistry charger, charging NP-style batteries and additional ENDURA batteries using optional A-E2NP assemblies.

VL-4Si

4-Channel Simultaneous Quick Charger with BMS and LCD Display



Fully Simultaneous: Charges up to 4 batteries at a time
Quick Charge Current: 3A (1-3 Batteries); 2.3A (4 Batteries)
BMS Capable: Battery Management System to extend battery life
LCD Display: Intelligent Display to monitor battery information
Multi-chemistry: Charges Li-ion and Ni-Cd type batteries

Interface
V-Mount
Chemistry
Li-ion, Ni-Cd
AC Input Voltage
100-240V 50/60Hz
Weight
7.05 lbs.
Dimensions
6.2 (W) x 6.0 (H) x 11.4 (D) in.

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 Battery Management System software, the VL-4Si - via PC interface - provides detailed battery data to help manage and extend the life of large battery inventories. This is ideal for network operations and rental facilities.

NEW

VL-4Se

4-Channel Simultaneous Quick Charger



Fully Simultaneous: Charges up to 4 batteries at a time
Quick Charge Current: 3A (1-3 Batteries); 2.7A (4 Batteries)
Power Consumption (standby): 1W

Interface
V-Mount
Chemistry
Li-ion
AC Input Voltage
100-240V 50/60Hz
Weight
5.95 lbs.
Dimensions
6.2 (W) x 6.0 (H) x 11.4 (D) in.

The VL-4Se is a fully simultaneous 4-channel charger, housed in a high-impact, poly carbonate enclosure with a recessed power switch and carrying handle. Quick and powerful charging make the VL-4Se the perfect choice for broadcast and production facilities with a high battery usage. Each channel is operated independently so batteries can be placed on charger in any order and at any time.

VL-2000S

2-Channel Simultaneous Quick Charger with 100W DC Output



Fully Simultaneous: Charges 2 batteries and supplies DC output
Quick Charge Current: 4A (1 Battery); 3A (2 Batteries)
DC Output (4-pin XLR): 100W (15V \rightleftharpoons 6.7A)
LIFE PLUS Mode: Increases battery life by up to 20%
Recovery Charge: Safely charges low voltage batteries
Power Base Mode: Utilizes mounted batteries for DC output
Auto Power Management: Automatically shuts off when inactive

Interface
V-Mount
Chemistry
Li-ion
AC Input Voltage
100-240V 50/60Hz
Dimensions
9.09 (W) x 3.23 (H) x 7.17 (D) in.
Weight
2.73 lbs.

The VL-2000S is a fully simultaneous 2 channel Li-ion V-Mount battery charger with a 100W DC output (4-pin XLR). Supporting LIFE PLUS mode, the latest advances in charging technology, the VL-2000S can extend battery life up to 20%. Also features Power Base mode - the ability to utilize the mounted batteries for powering equipment via the 4-pin XLR output. The 'Recovery Charge' mode will safely charge low voltage batteries. The charger also houses energy efficient circuitry that will automatically power down the charger when inactive.

VL-2X

2-Channel Sequential Charger with 36W DC Output



Sequential: Charges 1 Battery at a time or outputs 36W DC
Charge Current: 2.7A
DC Output (4-pin XLR): 36W (15V \rightleftharpoons 2.4A)
Recovery Charge: Safely charges low voltage batteries
Auto Power Management: Automatically shuts off when inactive
Silent: Fanless design
Travel friendly: Compact and featherweight design

Interface
V-Mount
Chemistry
Li-ion
AC Input Voltage
100-240V 50/60Hz
Dimensions
3.44(W) x 7.22 (H) x 4.98 (D) in.
Weight
0.95lbs.

The VL-2X is a budget friendly sequential 2 channel Li-ion V-Mount battery charger with a 36W DC output (4-pin XLR). Featuring 'Recovery Charge' mode, the VL-2X will safely charge low voltage batteries. The charger is designed with an external AC adapter allowing for a fanless and silent operation. Also eco-friendly and will automatically shut off the charger when inactive. The durable, compact, and featherweight design makes the VL-2X the perfect travel charger for shooters on the go.

VL-2PLUS

2-Channel Sequential Charger with 60W DC Output



Sequential: Charges 1 Battery at a time or outputs 60W DC
Charge Current: 2.3A
DC Output (4-pin XLR): 60W (13.8V \rightleftharpoons 4.3A)
Power Base Mode: Utilizes mounted batteries for DC output
Multi-chemistry: Charges Li-ion and Ni-Cd type batteries

Interface
V-Mount
Chemistry
Li-ion, Ni-Cd
AC Input Voltage
100-240V 50/60Hz
Dimensions
5.94 (W) x 3.1 (H) x 8.34 (D) in.
Weight
2.09 lbs.

The lightweight and durable VL-2PLUS delivers sequential 2-channel charging with unrivaled efficiency and reliability. With an integrated 60W 4-pin XLR power supply, you can power equipment when battery charging operation is not necessary.

VL-PVC1

1-Channel Portable Charger



Dimensions
3.3 (W) x 1.1 (H) x 5.6 (D) in.
Weight
0.79 lbs.

Charge on the go with the VL-PVC1. When it has to be portable and compact for crew work or when keeping travel gear light, the VL-PVC1 delivers the small profile of our V-Plate combined with robust charging for all IDX ENDURA V-Mount batteries.

VL-DT1

D-Tap Advanced Charger



Dimensions
4.33 (W) x 1.32 (H) x 2.44 (D) in.
Weight
0.51lbs.

The VL-DT1 is a single channel, low cost, portable charger designed to charge batteries via the D-Tap Advanced port. Its 3-pin design monitors the cell status to ensure correct controlled charging. Compatible with DUO-C95/98/190/198, and SB-U50/98.

JL-2PLUS

2-Channel Sequential NP-Style Charger with 60W Power Supply



- **Charge Current**
2.3A(Li-ion) ,1.9A(Ni-Cd)
- **Input Voltage**
AC 100-240V, 50/60Hz
- **Dimensions**
5.94 (W) x 2.75 (H) x 8.34 (D) inches
- **Weight**
1.75lbs.
- **Compatible batteries**
All IDX NP-style Li-ion/Ni-Cd batteries

The JL-2PLUS will charge Lithium-ion and Ni-Cd NP-style batteries in any combination. It will charge the first battery connected to either channel, then automatically begin charging the second battery after the first is fully charged. With the advantage of an integrated 60W power supply, additional equipment such as lighting and other ancillary equipment can be safely powered.

Sound Bag Charging



Photo: Fernando Delgado
Company: Stickman Sound, Inc.

LC-2A

7.4V Battery Charger for Panasonic, Canon & Sony Batteries



- **Charge Current**
1.9A
- **Input Voltage**
AC Adapter: 100-240V, 50/60Hz
DC Input: 12-19V (36W max)
- **Dimensions**
4.92 (W) x 1.57 (H) x 4.37 (D) inches
- **Weight**
0.42lbs.

Interchangeable Plates



- Panasonic**
SL-VBD50, VW-VBG6/
BG250, VW-VBD55/58
SL-VBD50, SL-VBD64/96
- Canon**
BP-955, BP-975, LP-E6
- Sony**
All L-Series batteries

Designed with interchangeable battery interface plates, the LC-2A can simultaneously charge a wide range of popular 7.4V Panasonic, Canon, and Sony batteries. The charger includes 10 interface plates (2 for each type). Users can mix the interface plates and simultaneously charge two types of batteries. The charger has built-in LED indicators to notify users when their batteries are charging, fully charged, or if a battery or charger fault has occurred.

LC-2J

7.4V Battery Charger for IDX JVC Batteries (exclusively through JVC)



- **Charge Current**
1.6A
- **Input Voltage**
AC Adapter: 100-240V, 50/60Hz
DC Input: 14-19V (36W max)
- **Dimensions**
5.52 (W) x 1.81 (H) x 5.08 (D) inches
- **Weight**
0.58 lbs.

Compatible IDX Batteries



The LC-2J is a two channel simultaneous quick charger for the IDX 7.4V SSL-JVC50 & SSL-JVC75 batteries. The LC-2J is capable of multiple configurations for use as a stand alone charger or joint configuration with a second LC-2J. Status LED indicator provides detailed display of charging process and fault detection.

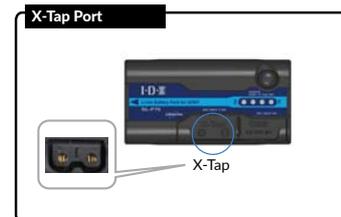
NEW

LC-XT1

X-Tap Charger



- **Dimensions**
4.14 (W) x 1.18 (H) x 1.77 (D) inches
- **Weight**
0.34lbs.



The LC-XT1 is a single channel, low cost, portable charger designed to charge IDX batteries with an X-Tap port. Compatible with SL-F50/70, SL-VBD64/96, and the SSL-JVC75.

V-Mount Power Supply

Versatile V-Mount AC adapter designed for tabletop or on-camera use



AC-100

100W V-Mount Camera AC Adapter



- Works Best With Studio cameras
- Output Voltage DC 14.5V
- Dimensions 3.96 (W) x 7.82 (H) x 2.86 (D) inches
- Weight 1.87 lbs.

AC Mode



A multi-functional AC adapter, the AC-100 can directly mount to a V-mount camera or used individually away from the camera. The unit runs silently at low loads with a temperate-activated low noise fan at higher loads. This model also has a recessed power switch and comes with a 90-degree AC cord to prevent accidental cord detachment.

V-Mount Camera AC Adapter

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



Power Base Mode

'Power Base' mode allows an operator to connect ENDURA batteries to the AC-100 making it a power source independent of an AC main supply. This allows the AC-100 to become a battery fail-safe station to the camera and can be advantageous should the main AC become disconnected or unavailable--maintaining critical production shooting regardless of the immediate power situation.

Power Supplies

AC adapters designed for the rigors of location work

Rugged, compact, and designed for reliability, IDX offers a choice of 70W, 100W and 210W single and multiple output power supplies. Each model in this series is a workhorse utility power source.

PROSeries

IA-300a

210W AC Adapter Power Supply



- **DC Output**
210W / 15.2A
Adjustable 13.5V-16.5V
- **Dimensions**
4.9 (W) x 3.0 (H) x 9.6 (D) inches
- **Weight**
4.4 lbs.



The IA-300a is a triple output 210W power supply with a universal AC100-240V input. The IA-300a features three XLR outputs with each output capable of handling up to 10A. The user accessible potentiometer allows for voltage adjustment to accommodate long cable runs.

IA-200a

100W AC Adapter Power Supply



- **DC Output**
100W / 7.2A
Fixed 13.8V
- **Dimensions**
4.53 (W) x 1.97 (H) x 10.63 (D) inches
- **Weight**
2.9 lbs.



The IA-200a is a dual output 100W power supply with a universal AC100-240V input. The IA-200a features two XLR outputs which can handle 100W total in any combination from two channels, or 100W from a single channel.

NEW

IA-70a

70W AC Adapter Power Supply



- **DC Output**
70W / 4.8A
Adjustable 14.3V-15.8V
- **Dimensions**
3.54 (W) x 1.97 (H) x 7.48 (D) inches
- **Weight**
1.87 lbs.



The IA-70a is a single output 70W power supply with a universal AC100-240V input for worldwide operation. The IA-70a features a lightweight, rugged metal enclosure, adjustable output voltage and automatic overload protection.

Wireless

CAM ~ WAVE

Wireless HD Transmission

IDX CAM~WAVE systems have facilitated camera operators' ability to freely move and capture content without limiting their creativity. Pioneering professional uncompressed HD transmitters since 2007, IDX continues to strive to innovate and manufacture products to meet all your wireless transmission needs.

CAM~WAVE

Versatile Wireless Performance

IDX CAM~WAVE Wireless HD Transmission Systems utilize Dynamic Frequency Selection (DFS) to operate on less crowded frequencies within the license exempt 5GHz spectrum. This minimizes wireless interference and provides optimal wireless performance. In addition, the DFS function allows legal indoor and outdoor use in countries where radio frequency regulations are strict.

CW-3

3G-SDI / HD-SDI Uncompressed Wireless HD Transmission



- Transmits uncompressed full HD 1080p/60
- YCbCr 4:2:2 10-bit
- WHDI (MIMO/OFDM) technology
- 5GHz frequency band (license free)
- Dynamic Frequency Selection (DFS)
- Zero frame delay; less than 1ms latency
- Transmit HD video as far as 380ft (distance may vary)
- Conforms to major technical & environmental standards including FCC, CE, and RoHS specifications

Included Accessories

- 2 x Omni-directional antennas
- 2 x BNC right angle connectors
- 2 x BNC SDI cables
- 2 x D-Tap to DC plug power cables
- 1 x AC power adapter
- 1 x 1/4" 20 mounting screw
- 1 x Shoe to 1/4" 20 screw mount

CW-1

HDMI Type Uncompressed Wireless HD Transmission



- Transmits uncompressed full HD 1080p/30
- YCbCr 4:2:2 10-bit
- WHDI (MIMO/OFDM) technology
- 5GHz frequency band (license free)
- Dynamic Frequency Selection (DFS)
- Zero frame delay; less than 1ms latency
- Transmit HD video as far as 328ft (distance may vary)
- Compact Design; TX: 3.6 (W) x 1.2 (D) x 0.6 (H) in.
RX: 3.8 (W) x 2.2 (D) x 0.8 (H) in.
- Lightweight; TX: 0.7 oz / RX: 2.1 oz
- Conforms to major technical & environmental standards including FCC, CE, and RoHS specifications

Included Accessories

- 2 x HDMI Cables
- 1 x Right angle HDMI Adapter (F to F)
- 1 x USB Cable-to-Mini -USB for TX
- 1 x DC cable adapter for RX
- 1 x AC power adapter for RX

Wireless HD Transmission

IDX wireless technology has evolved from short-range transmission to long-range transmission with the addition of the CW-F25.



CW-F25

3G-SDI/HD-SDI 25Mbps H.264 Wireless HD Transmission

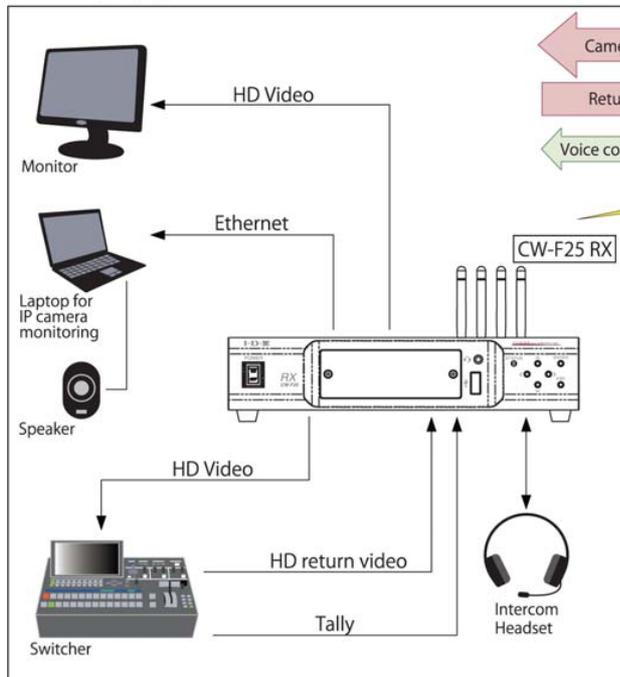
Designed for on air video contribution, the CW-F25 wireless HD-SDI transmission system offers superior image quality transmitting H.264 high profile video at up to 25Mbps. Adaptive variable bit rate prevents sudden disconnection and range is enhanced by the use of beamforming technology operating over 4 x 4 MIMO antennas. Supported across the link are return video, intercom, tally, RS422 remote and Ethernet I/O giving the remote camera operator the features of a wired link in a license free product.



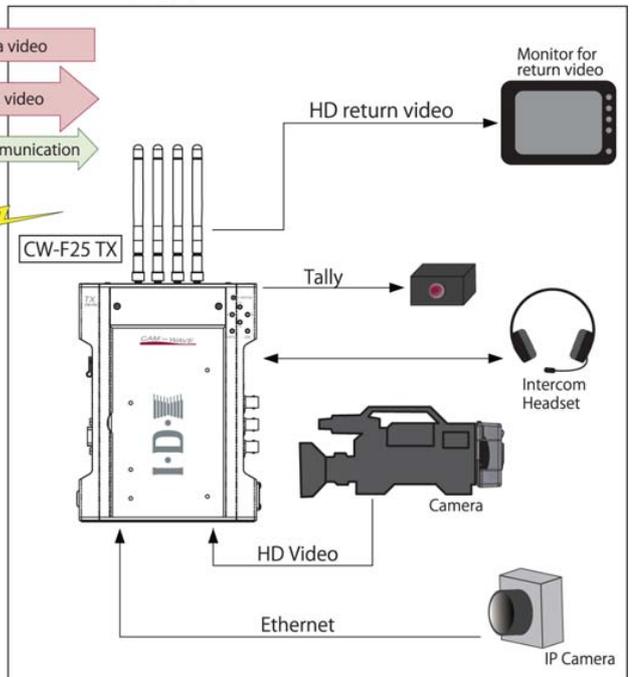
4x4 MIMO & Beamforming

The CW-F25 utilizes 4x4 MIMO and beamforming technologies. The combination of these technologies optimizes the signal phase and relative amplitude, which results in a clean transmission with a range of up to 2km.

Receiver(RX) System chart



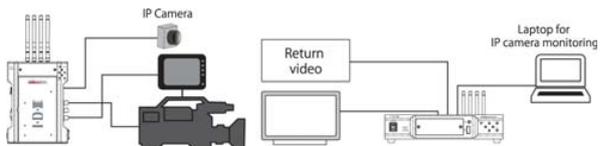
Transmitter(TX) System chart



One Box Does It All

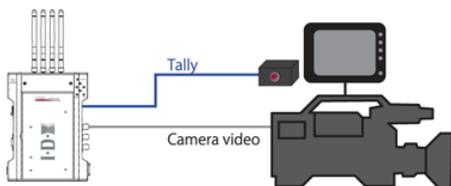
LAN Network

The transmitter (TX) and receiver (RX) are equipped with a LAN connector allowing use to both the camera operator and director/producer. The LAN bridge is capable of accepting an IP camera, which can be mounted to the primary camera and used to capture a wide angle view. This wide angle view allows the director/producer to see the entire set/scene even when the camera operator has zoomed in.



Tally

The tally signal is an essential feature for multi-camera productions. The tally signal lets the camera operators know when their camera is on air and helps reduce framing errors. Additionally, the CW-F25's GPI supports an open collector output signal and can be used with a simple ON/OFF LED device.



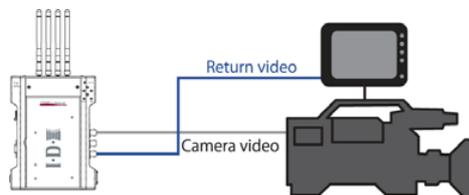
Intercom

The intercom is an essential feature for bidirectional communication and directing a cameraman's movements. Included with the CW-F25 are two sets of headsets. Since the intercom uses a mini-jack terminal, a smartphone's earphone can be used as well.



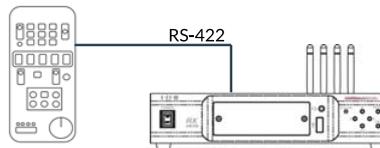
Return Video

Camera operators frequently check the return video/program signal from the switcher to accurately adjust their composition, angle of view and camera settings. By checking the return video, camera operators can always be ready and confident for their time on air.



Camera Control

Remotely control various parts of the camera via RS-422



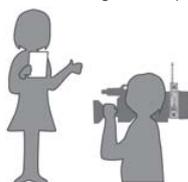
Applications

Simplification of FPU Applications

The CW-F25 return video and intercom functions can be used in conjunction with an FPU system's uplink, thereby reducing the number of FPU systems needed.

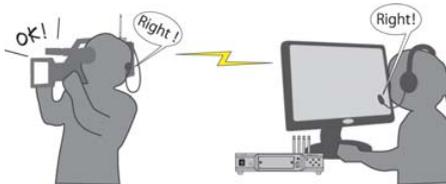
Outdoor Live Shooting

The CW-F25's uplink, downlink, and intercom features can significantly reduce the time and cost of setting up an outdoor production by eliminating the need to run cables and fiber optics.



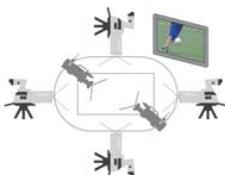
On-site Operational Flexibility

When you want to be the first to report breaking news, instruct your camera operator to capture specific content in the midst of chaos, and at the same time send a return video signal back to the camera operator, the CW-F25 is your solution for a smooth and successful news shoot.



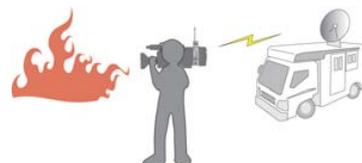
Stadium Content Enhancement

Stadium events use wired camera systems to capture content. Wired and stationary cameras are limited in what they can capture. However, with the CW-F25, a camera can be released from the wire and roam freely around the stadium – capturing creative, unique, and never before seen shots.



Breaking News Coverage

Local TV stations and CATV are generally required to provide coverage of disaster events. With the CW-F25's ability to transmit up to 2km, covering disaster scenarios and providing content to stations is well within the realm of possibility.





Accessories

Endura
SYSTEM

PROSeries

CAM ~ WAVE

V-Plate Adapters

The universal design of the IDX V-Plate provides adaption of most cameras and DC powered equipment to the popular V-Mount system allowing use of ENDURA batteries and accessories.



P-V2

V-Mount Plate with D-Tap & Digi-View



- **Features Include**
Single Unregulated 12-16.8V 50W D-Tap for powering accessories & Digi-View for on-camera battery capacity readout
- **Weight**
0.36 lbs

P-VS2

V-Mount Plate with D-Tap & Digi-View & Synchron



- **Features Include**
Single Unregulated 12-16.8V 50W D-Tap for powering accessories & Digi-View for on-camera battery capacity readout + Synchron for on-camera light sync feature
- **Weight**
0.40 lbs

P-V2 & P-VS2 mounted on back & side of camera



P-V212

P-V2 Plate with Additional Regulated 12V D-Tap

Features Include: Dual D-Taps (one on each side) - one regulated 12V D-Tap + one unregulated 12-16.8V D-Tap + Digi-View

P-V257

P-V2 Plate with Additional Switchable 5V/7.3V D-Tap

Features Include: Dual D-Taps (one on each side) - one switchable regulated 5V or 7.3V D-Tap + one unregulated 12-16.8V D-Tap + Digi-View

P-V284

P-V2 Plate with Additional Regulated 8.4V D-Tap

Features Include: Dual D-Taps (one on each side) - one regulated 8.4V D-Tap + one unregulated 12-16.8V D-Tap + Digi-View



P-V257/P-V212/P-V284
Weight: 0.40 lbs

V-Plate Adapters

A-AB2E

3-Stud to V-Mount Adapter Plate



- **Features Include**
Ability to attach V-Mount batteries to power 3-Stud mount setups
- **Weight**
0.44 lbs

The A-AB2E adapter locks onto any 3-stud mounting plate and provides a temporary or transitional conversion of the 3-stud to V-Mount configuration. The flexibility of the converter allows all ENDURA batteries to be used on 3-stud mounting systems.

TA-PV2USB

V-Mount Plate with D-Tap & USB Output



- **Features Include**
One unregulated 12-16.8V D-Tap to power accessories & one 5V USB output to power additional accessories, smart phones and tablets
- **Weight**
0.40 lbs

The TA-PV2USB allows direct mounting of IDX ENDURA batteries and is made to power and charge USB devices. Included on the side of the plate is one unregulated 12-16.8V D-Tap power output for powering additional accessories.

A-NH2E

Male V-Mount Plate with Digi-View



- **Features Include**
Digi-View for battery capacity readout
- **Weight**
0.22 lbs

The A-NH2E is a male V-Mount adapter plate designed to make equipment adapt to V-Mount (with internal screw holes).

A-MT2V

Male V-Mount Plate with Digi-View



- **Features include**
Digi-View for battery capacity readout
- **Weight**
0.24 lbs

The A-MT2V is a male V-Mount adapter plate designed to make equipment adapt to V-Mount (with external screw holes).

V-Plate Adapters

Designed for Blackmagic & Canon Cameras



ET-PV2UR

V-Mount Adapter Plate for Blackmagic URSA & URSA Mini



- **Features Include**
Unregulated 12-16.8V D-Tap to power accessories
- **Weight**
0.38 lbs.

ET-PV2UR on Blackmagic URSA



The ET-PV2UR is designed to attach directly to the rear of the URSA & URSA Mini camera bodies. Based on the popular IDX V-Plate chassis, the ET-PV2UR allows direct mounting of any IDX ENDURA Li-ion battery.

ET-PV2BM

V-Mount Adapter Plate for Blackmagic Cinema Camera



- **Features Include**
Unregulated 12-16.8V D-Tap to power accessories
- **Weight**
0.46 lbs.

ET-PV2BM on Blackmagic Cinema



The ET-PV2BM allows direct mounting of any IDX ENDURA Li-ion battery, while an integrated DC cable supplies battery power directly from the battery to the Blackmagic Cinema Camera.

A-E2EOSC

V-Mount Adapter Plate for Canon C100/300/500



- **Features Include**
(2) Unregulated 12-16.8V D-Tap to power accessories
- **Weight**
0.46 lbs.

A-E2EOSC on Canon C300



The A-E2EOSC allows direct mounting of any IDX ENDURA Li-ion battery, while an integrated DC cable supplies battery power directly from the battery to the Canon C100, C300 or C500 camera.

Accessories

IDX offers a wide range of accessories that adapt to virtually all professional setups.



MD-NBV

Male V-Mount to Female V-Mount with 5x D-Tap



- **Features**
(5) Unregulated 12-16.8V 50W D-Tap outputs independently fused at 2A.
- **Weight**
0.70 lbs.

C-EB(XLR)

ENDURA V-Mount to XLR with Belt Loop



- **Features**
12-16.8V 4-pin XLR output
- **Weight**
0.6 lbs.

A-CP(A)

Versatile Cheese Plate with 15mm Mini Clamp



- **Features**
Multiple 1/4" and 3/8" screw holes available for wide range of mounting configurations
- **Weight**
0.63 lbs.

A-E2LCD-2

ENDURA V-Mount Adapter for LCD Monitors



- **Features**
Mountable on 100mm VESA mount + 12-16.8V 4-pin XLR power output
- **Weight**
1.27 lbs.

SD-1E

ENDURA V-Mount to XLR with Belt Loop



- **Features**
7.2V & 12-16.8V via 4-pin XLR Output
- **Weight**
0.62 lbs.

NBV-XLR

4-Pin XLR to V-Mount Adapter Plate



- **Features**
4-pin XLR DC Input & unregulated 12-16.8V 50W D-Tap
- **Weight**
0.6 lbs.

Accessories

NP-Style Holders & Battery Adapters for CAM-WAVE

NH-202

Dual NP Battery Holder with D-Tap & Synchron



- **Additional Features**
2-pin D-tap for powering additional accessories & Synchron for on-board camera light sync
- **Dimensions**
3.82 (W) x 7.87 (H) x 3.34(D) inches
- **Weight**
0.81 lbs.

NH-204

Dual NP Battery Holder with 4-Pin XLR & Synchron



- **Additional Features**
4-pin XLR for powering equipment & Synchron for on-board camera light sync
- **Dimensions**
5.31 (W) x 7.87 (H) x 3.35 (D) inches
- **Weight**
0.79 lbs.

NH-204V

NH-204 Battery Holder with V-Mount



- **Additional Features**
4-pin XLR for powering equipment & Synchron for on-board camera light sync
- **Dimensions**
5.31 (W) x 7.87 (H) x 3.35 (D) inches
- **Weight**
0.79 lbs.

A-CWJ-TX / A-CWS-TX

CW-1 Transmitter Battery Adapter (JVC or Sony L-Series)



- Designed to be used with JVC or Sony L-Series batteries
- DC 5V output from USB connector
- Comes with a camera shoe adapter
- Bracket to secure CW-1 TX
- 1/4-20 screw hole on bottom
- **Dimensions**
4.41 (W) x 2.84 (H) x 3.51(D) inches
- **Weight**
0.56 lbs.

A-CWJ-RX / A-CWS-RX

CW-1 Receiver Battery Adapter (JVC or Sony L-Series)



- Designed to be used with JVC or Sony L-Series batteries
- DC 5V output from USB connector
- 1/4-20 screw hole on bottom
- **Dimensions**
4.41 (W) x 1.29 (H) x 2.29(D) inches
- **Weight**
0.19 lbs.

A-CW3S

CW-3 Battery Adapter (Sony L-Series)



- Designed to be used with Sony L-Series batteries
- DC 7.2V from DC plug
- Down converted DC 5V outputs through USB connector
- Flexible TX/RX mounting with four possible TX positions
- Mounts to camera via 1/4-20 screw or shoe mount (included with CW-3)
- **Dimensions**
3.81 (W) x 4.37 (H) x 2.99 (D) inches
- **Weight**
0.35 lbs.

Accessories

IDX accessories adapt to everything from basic to high-end broadcast and cinema productions.

A-MWR

Wireless Receiver Mounting Bracket



- **Features Include**
Ability to mount a wireless receiver or accessory on side or back of A-MWR. A-MWR can mount directly to any existing V-Mount. D-Tap power output available for powering 12V accessories if necessary.
- **Weight**
0.22 lbs



The A-MWR attaches directly to a V-Mount type camcorder without using screws and is adjustable to up to four positions. The A-MWR's unique design allows dual stacking of ENDURA batteries, while simultaneously allowing you to attach a wireless receiver or HDD to either side of the bracket. Specialty plates P-V212 and P-V257 can also be mounted in place of the standard P-V2 plate for even more flexibility, providing an additional 2-pin D-Tap to power additional equipment such as HDD recorders.

X10-LITE / X10-LITE-S

High Performance LED On-Board Camera Light (JVC or Sony L-Series)



- X10-LITE: Compatible with JVC batteries
X10-LITE-S: Compatible with Sony L-Series batteries
- **Features Include**
Low power consumption of 16W producing 1250 lux (1m) of light; enough to light a bench of 3 people across a room. Heat free output from the LEDs ensure light quality remains completely unaffected by run time. Extremely long life with 50,000 hours of usage.
- **Weight**
1.03 lbs.



The X10-Lite / X10-LITE-S is a professional LED on-board camera light utilizing powerful LED technology outputting 1250 lux (1m).

C-XTAP2

DC Cable with X-Tap



- Provides DC power to equipment via X-Tap. Compatible with SSL-JVC75, SL-VBD64/96, and SL-F50/70 batteries.
- Open leads adapts to virtually all 7.4V DC connectors
- Rugged connector with reverse polarization prevention design
- Compatible with virtually all 7.4V DC products when DC plug installed
- **DC Output**
8.4V DC / 3.5A (+/-)
- **Dimensions**
2.64 (W) x 4.17 (H) x 1.38(D) inches
- **Weight**
0.6 lbs.

The C-XTAP2 is a DC cable utilizing X-Tap, the new standard connector for powering 7.4V accessories from the SSL-JVC75, SL-VBD64/96, and SL-F50/70 batteries. With the open lead design, the C-XTAP2 is capable of powering virtually all 7.4V accessories. Simply solder your desired connector to the positive and negative leads. The "T" Terminal is placed for future use.

DC Cables

With IDX adapter cables, professionals can use one battery system for all levels of production. These options offer the ability to power 5V, 7.2V, 8.4V and 12V camcorders when used with the regulated P-V2 series plates.

C-CANC

DC Cable for Canon XL-H1/XHG1/XHA1



- **Features**
Adapter cable for use with Canon XL-H1/XHG1 cameras. Must use with IDX P-V257 plate for voltage conversion.

C-PANCAVC

DC Cable for Panasonic HMC150/HMC45 Series



- **Features**
Adapter cable for use with Panasonic HMC150/HMC45 series cameras. Must use with IDX P-V257 plate for voltage conversion.

C-EOSC

DC Cable for Canon EOS 7D/5D Mark II



- **Features**
Adapter cable for use with Canon EOS 7D/5D Mark II cameras. Must use with IDX P-V257 plate for voltage conversion.

C-PANCP2

DC Cable for Panasonic HPX170/HVX200 Series



- **Features**
Adapter cable for use with Panasonic HPX170/HVX200 series cameras. Must use with IDX P-V257 plate for voltage conversion.

C-ZLPRO

DC Cable for Canon CINE-SERVO Lens



- **Features**
Provides DC power via D-Tap to Canon's CINE-SERVO lens. Cable is 18" in length and provides sufficient length without being cumbersome.

C-PIN

DC Cable for Sony PMW-EX1/EX-3 Series



- **Features**
Adapter cable for use with Sony PXW-FS7 & PMW-EX1/EX3 series cameras. Must use with IDX P-V212 plate for voltage conversion.

C-JVCC

DC Cable for JVC GY-HM100 Series



- **Features**
Adapter cable for use with JVC GY-HM100 series cameras. Must use with IDX P-V257 plate for voltage conversion.

C-SONC

DC Cable for Sony HVR Series



- **Features**
Adapter cable for use with Sony HVR series cameras. Must use with IDX P-V284 plate for voltage conversion.

IDX Innovation & Engineering

Together with an established reputation for providing premium products, our competitive advantage comes from unique model designs and features built into every one of our products.

The Lithium Ion Advantage

Merging the lightest weight with the most powerful battery chemistry available, IDX excels in combining high watt-hour capacity with low physical weight. IDX battery cells are balanced for matching voltage and impedance levels and are carefully selected for electrical load, longer life cycles, temperature tolerances and cost. Unlike other battery materials, there is no 'memory' effect on the battery's life span and our lithium ion cells expend a low discharge rate. Environmentally safer and friendlier, our batteries do not require special procedures for clean disposal when battery life is completely diminished.

Power Base Mode

Power Base technology allows the AC-100, VL-2SPLUS, and VL-2000S to become totally portable and AC free power stations. In normal operation the AC-100 uses AC power; however, 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 and VL-2000S 2-Channel chargers. On these particular models, DC output comes from both channels simultaneously, even if two batteries are used in PowerLink.



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 care that increases battery life. BMS can monitor the condition of the E-HL9 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 easily be recorded and retrieved via a USB connection to a PC.



LIFE PLUS Mode

LIFE PLUS mode is a feature that extends battery life by up to 20% on certain IDX batteries*. The life increase is possible with the development of advanced charging algorithms. This feature is exclusively available in the VL-2000S charger.

*The increase in life expectancy is dependent on the model, condition of usage/storage, maintenance, and age of the battery.

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 original system of its kind, PowerLink is a unique feature of the E-HL9 series that allows users to double up on available capacity, stacking a second battery at the back of a camera or other video sources. With two E-HL9 batteries, an 87Wh battery can be doubled to 174Wh and still be air transport safe.



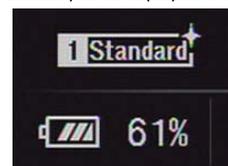
Safety and Reliability

The safety and reliability of our products is paramount. IDX batteries and chargers are designed to integrate into regular location work and withstand high usage, so customers can be confident that they will work time after time without fail. IDX lithium ion batteries use only the highest grade lithium ion cells. Both battery and charger models contain intelligent self-protection circuits that safeguard against common causes of misuse such as over current, over charge, over discharge and exposure to extreme temperatures.



Digi-View

Digi-View is an electrical connection system that allows the remaining capacity of an E-HL9 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 adapter plate.



Worldwide Support



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Fax: +81 44 850 8838

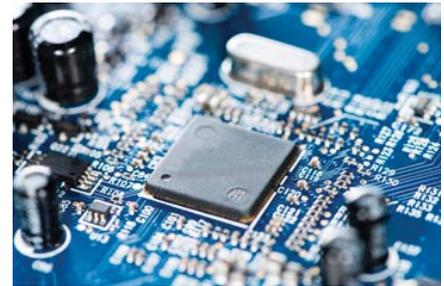
E-mail: idx.japan@idx.tv
E-mail: asia.sales@idx.tv

Terms of Warranty

IDX System Technology Inc. warrants its products to be free from defects in workmanship and materials for a period of three years on ENDURA chargers, one year on 7.4V batteries, and two years on all other products from the date of purchase. If the products are determined by IDX to be defective or fail to meet minimum published specifications, they will be replaced free of charge at IDX's sole discretion. Except for such repair or replacement, IDX will not be held responsible for any direct, indirect incidental, consequential cost or damage. Should there be a warranty claim, you may be asked to produce your proof of purchase with the returned merchandise; therefore it is recommended that the buyer keep their receipt. Products returned for repair and not covered by warranty will be charged for at IDX's standard repair rates. This limited warranty is to be interpreted under the laws of the State of California, U.S.A.

IDX products should be used only with IDX approved equipment. The use of unauthorized equipment may result in the limitation or voidance of IDX product warranties. IDX does not authorize, condone, recommend, or otherwise assume any liability or responsibility resulting from the use of any battery, charger or accessory not made or sold by IDX. Please use only IDX original equipment.

For complete details on the warranty coverage of all products and procedures, please consult the Warranty section listed under Support on the IDX USA website at www.idxtek.com.



Lithium Ion Air Transportation Regulations

Please refer to the IDX USA website for important information regarding the transportation of lithium ion batteries based on ICAO/IATA 59th Edition of IATA DGR. The latest rules affect how lithium ion batteries are carried on board passenger aircraft as well as the way they are classified, labeled and packed when transported by air cargo.

www.idxtek.com/lithium-ion-transportation/

UN Tested and Certified for Air Travel Label



Look for this label on your IDX battery and scan the QR code for real time up to date transportation regulations.



Web-Based Documentation and Interaction - www.idxtek.com

Detailed information about various technical resources are immediately and easily accessible on our website. Product introductions, press releases, technical support downloads and direct customer inquiries are among some of our site's selections our customers can review, reference and use to their benefit.



Lens Filters

ALPHA



Premium ND Filter System

ZERO Color Shift
ZERO Color Correction

DURABILITY



Special manufacturing processes allow each ALPHA-I filter to have multiple layers of protection inside and out, delivering a more scratch-resistant durable product.

COLOR CONSISTENCY



For productions that require multiple cameras on set, keeping the color quality performance consistent from camera to camera is very important. ALPHA-I will not shift colors from filter to filter.

COLOR NEUTRALITY



Changes in color rendition typically show the most when switching from indoor to outdoor lighting. With the ALPHA-I filters, any lighting conditions will be adjusted to provide color neutrality.

Specifications

Density

0.3, 0.6, 0.9, 1.2, 1.5, 1.8, 2.1

Dimensions

4.0 x 5.65 x 0.16 in.

Weight

0.32 lbs.

Part Number

ND0.3	AI-4565ND03
ND0.6	AI-4565ND06
ND0.9	AI-4565ND09
ND1.2	AI-4565ND12
ND1.5	AI-4565ND15
ND1.8	AI-4565ND18
ND2.1	AI-4565ND21





Connecting Innovation & Dependability

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IDX, IDX (logo), ENDURA, ENDURA ELITE, ENDURA SYSTEM (logo), PowerLink, V-Lock, V-Mount, V-Plate, CAM WAVE (logo), WEVI (logo),

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IDX reserves the right to change the specifications contained herein without notice.