

CAMERA POWER CENTER

PD-6

Instruction Manual

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Disclaimer of Product & Services

The information offered in this instruction manual is intended as a guide only. At all times, Datavideo Technologies will try to give correct, complete and suitable information. However, Datavideo Technologies cannot exclude that some information in this manual, from time to time, may not be correct or may be incomplete. This manual may contain typing errors, omissions or incorrect information. Datavideo Technologies always recommend that you double check the information in this document for accuracy before making any purchase decision or using the product. Datavideo Technologies is not responsible for any omissions or errors, or for any subsequent loss or damage caused by using the information contained within this manual. Further advice on the content of this manual or on the product can be obtained by contacting your local Datavideo Office or dealer.

CAUTION:

1. Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
2. Do not use this unit in or near water.
3. Do not place this unit on an unstable cart, stand, or table. The unit may fall, causing serious damage.
4. Do not allow anything to rest on the power cord. Do not locate this unit where the power cord will be walked on, rolled over, or otherwise stressed.
5. Unplug this product from the wall outlet and refer to qualified service personnel under the following conditions:
 - a. When the power cord is damaged or frayed;
 - b. When liquid has spilled into the unit;
 - c. When the product has been exposed to rain or water;
 - d. When the product does not operate normally under normal operating conditions. Adjust only those controls that are covered by the operating instructions in this manual; improper adjustment of other controls may result in damage to the unit and may often require extensive work by a qualified technician to restore the unit to normal operation;
 - e. When the product has been dropped or the cabinet has been damaged;
 - f. When the product exhibits a distinct change in performance, indicating a need for service.

WARNING:

1. Read all of these warnings and save them for later reference.
2. Follow all warnings and instructions marked on this unit.
3. This product should only be operated from the type of power source indicated on the marking label of the AC adapter. If you are not sure of the type of power available, consult your Datavideo dealer or your local power company.
4. If an extension cord must be used with this unit, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord's rating.
5. Make sure that the total amperes of all the units that are plugged into a single wall outlet do not exceed 15 amperes.

DANGER:

1. Slots and openings on the cabinet top, back, and bottom are provided for ventilation. To ensure safe and reliable operation of this unit, and to protect it from overheating, do not block or cover these openings. Do not place this unit on a bed, sofa, rug, or similar surface, as the ventilation openings on the bottom of the cabinet will be blocked. This unit should never be placed near or over a heat register or radiator. This unit should not be placed in a built-in installation unless proper ventilation is provided.
2. Never push objects of any kind into this unit through the cabinet ventilation slots, as they may touch dangerous voltage points or short out parts that could result in risk of fire or electric shock. Never spill liquid of any kind onto or into this unit.
3. Except as specifically explained elsewhere in this manual, do not attempt to service this product yourself. Opening or removing covers that are marked "Do Not Remove" may expose you to dangerous voltage points or other risks, and will void your warranty. Refer all service issues to qualified service personnel.

ATTENTION:

1. Débranchez l'appareil de la prise secteur murale avant de le nettoyer . Ne pas utiliser de nettoyeurs liquides ou en aérosol. Utilisez un chiffon humide pour le nettoyage.
2. Ne pas utiliser cet appareil dans l'eau ou près de l'eau.
3. Ne placez pas cet appareil sur un chariot, un support ou une table instables . L'appareil pourrait tomber, causant de graves dommages.
4. Ne laissez rien reposer sur le cordon d'alimentation . Ne placez pas le cordon d'alimentation à un endroit où quelqu'un ou quelque chose pourrait marcher, rouler dessus, ou l'abimer autrement.
5. Débranchez l'appareil de la prise secteur murale et reportez-vous à du personnel qualifié dans les conditions suivantes :
 - a. Lorsque le cordon d'alimentation est endommagé ou effiloché ;
 - b. Lorsque du liquide a été renversé dans l'appareil ;
 - c. Lorsque le produit a été exposé à la pluie ou à l'eau ;
 - d. Quand l'appareil ne fonctionne pas normalement dans les conditions normales de fonctionnement. Réglez seulement les contrôles qui sont couverts par les instructions de fonctionnement dans ce manuel ; le réglage incorrect d'autres commandes peut causer des dommages à l'appareil et peut souvent nécessiter l'intervention d'un technicien qualifié pour restaurer l'unité en fonctionnement normal ;
 - e. Lorsque le produit est tombé ou que le boîtier a été endommagé ;
 - f. Lorsque le produit présente un changement notable de ses performances, indiquant qu'une réparation est nécessaire.

AVERTISSEMENT:

1. Lire tous ces avertissements et les conserver pour référence ultérieure.
2. Respectez tous les avertissements et instructions indiqués sur cet appareil.
3. Ce produit ne doit être utilisé qu'avec le type de source d'alimentation indiqué sur l'étiquette de l'adaptateur secteur (AC) . Si vous n'êtes pas sûr du type d'alimentation disponible, consultez votre revendeur Datavideo ou votre fournisseur d'électricité local.
4. Si une rallonge doit être utilisée avec cet appareil , assurez-vous que le total des intensités nominales des produits branchés sur la rallonge ne dépasse pas la cote de la rallonge (Ampères).
5. Assurez-vous que les Ampères totaux de toutes les unités qui sont branchées sur une même prise secteur murale ne dépasse pas 15 ampères.

DANGER:

1. Les fentes et les ouvertures sur le haut du boîtier , l'arrière et le bas, sont prévues pour la ventilation . Pour assurer un fonctionnement sûr et fiable de cette unité, et pour la protéger de la surchauffe, ne bloquez ou ne couvrez pas ces ouvertures. Ne placez pas cet appareil sur un lit, un canapé, un tapis ou une surface similaire, car les ouvertures de ventilation sur le fond du boîtier seront bloquées. Cette unité ne doit jamais être placée à proximité ou sur une source de chaleur ou un radiateur. Cet appareil ne doit pas être placé dans une installation intégrée à moins qu'une ventilation adéquate ne soit prévue.
2. Ne jamais pousser des objets de toute sorte dans cette unité à travers les fentes de ventilation du boîtier , car ils peuvent toucher des points de tension dangereux ou court-circuiter, ce qui pourrait entraîner un risque d'incendie ou de choc électrique . Ne renversez jamais de liquide d'aucune sorte sur ou dans l'appareil.
3. Sauf disposition expresse expliquée ailleurs dans ce manuel , ne tentez pas de réparer ce produit vous-même. L'ouverture ou le retrait des capots portant la mention «Ne pas retirer» peut vous exposer à des points de tension dangereux ou d'autres risques, et annulera votre garantie. Reportez tous les problèmes de service à un personnel qualifié.

Safety Instructions - Rack Mount

Marking or Instruction Details:

"Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:

A) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.

B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

C) Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

D) Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

E) Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips)."

" Instructions de montage en Rack - Les instructions de montage en rack suivantes ou similaires sont incluses dans les instructions d'installation :

A) Température ambiante de fonctionnement - S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il faut envisager d'installer l'équipement dans un environnement compatible avec la température ambiante maximale (T_{am}), spécifiée par le fabricant.

B) Débit d'air réduit – L'installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement ne soit pas compromise.

C) Charge mécanique - Le montage de l'équipement dans le rack doit être tel qu'une situation dangereuse ne soit pas liée à une charge mécanique irrégulière.

D) Surcharge du circuit d'alimentation- Il faut tenir compte de la connexion de l'équipement au circuit d'alimentation et l'effet que la surcharge des circuits pourrait avoir sur la protection contre les surintensités et les câbles d'alimentation. Un examen approprié des notes des équipements et de la plaque signalétique doit être fait pour traiter cette préoccupation.

E) Mise à la terre fiable – La mise à la terre fiable du matériel monté en rack doit être maintenue. Une attention particulière doit être apportée aux connexions d'alimentation autres que les connexions directes au circuit. (par exemple l'utilisation de multiprises) ".

FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Warranty

Standard Warranty

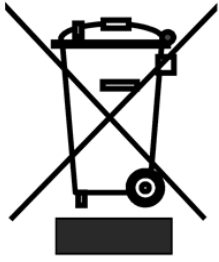
- Datavideo equipment are guaranteed against any manufacturing defects for one year from the date of purchase.
- The original purchase invoice or other documentary evidence should be supplied at the time of any request for repair under warranty.
- The product warranty period begins on the purchase date. If the purchase date is unknown, the product warranty period begins on the thirtieth day after shipment from a Datavideo office.
- All non-Datavideo manufactured products (product without Datavideo logo) have only one year warranty from the date of purchase.
- Damage caused by accident, misuse, unauthorized repairs, sand, grit or water is not covered under warranty.
- Viruses and malware infections on the computer systems are not covered under warranty.
- Any errors that are caused by unauthorized third-party software installations, which are not required by our computer systems, are not covered under warranty.
- All mail or transportation costs including insurance are at the expense of the owner.
- All other claims of any nature are not covered.
- All accessories including headphones, cables, and batteries are not covered under warranty.
- Warranty only valid in the country or region of purchase.
- Your statutory rights are not affected.

Three Year Warranty

- All Datavideo products purchased after July 1st, 2017 are qualified for a free two years extension to the standard warranty, providing the product is registered with Datavideo within 30 days of purchase.
- Certain parts with limited lifetime expectancy such as LCD panels, DVD drives, Hard Drive, Solid State Drive, SD Card, USB Thumb Drive, Lighting, Camera module, PCIe Card are covered for 1 year.
- The three-year warranty must be registered on Datavideo's official website or with your local Datavideo office or one of its authorized distributors within 30 days of purchase.



Disposal



For EU Customers only - WEEE Marking

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the

environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



CE Marking is the symbol as shown on the left of this page. The letters "CE" are the abbreviation of French phrase "Conformité Européene" which literally means "European Conformity". The term initially used was "EC Mark" and it was officially replaced by "CE Marking" in the Directive 93/68/EEC in 1993. "CE Marking" is now used in all EU official documents.

Introduction

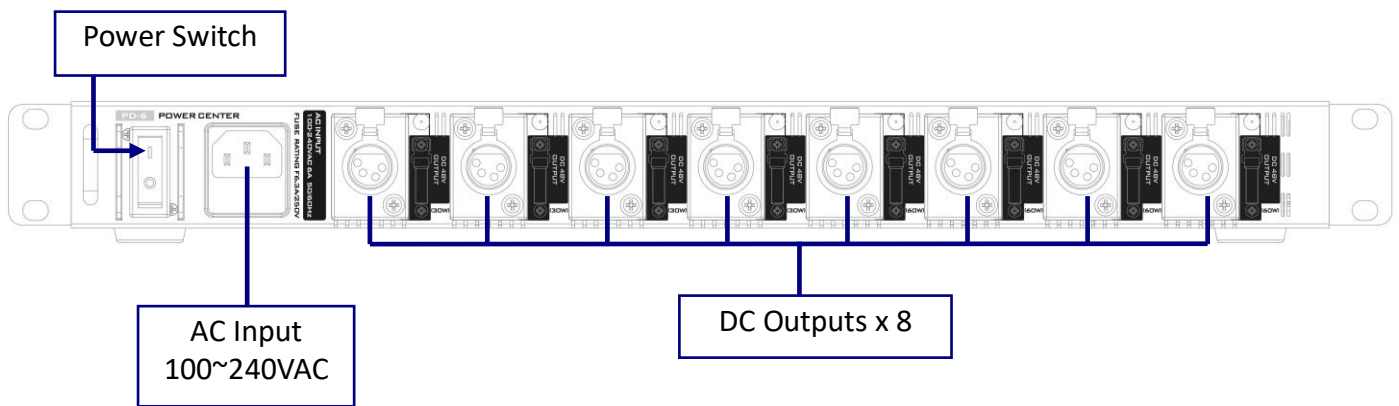
PD-6 is a 19" rack mountable universal AC to DC Power Distribution Center, designed to supply steady and sequenced voltage for production kit whilst on location or in your studio.

Perfect for use in conjunction with Datavideo studio equipment and the CB-22H / CB-23H via a single power cable. Each of the eight outputs provides DC48V with a total power consumption of 360W.

Features

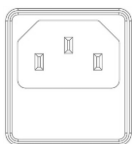
- Automatically adjusts to work with 50Hz or 60Hz supplies between 100-240 VAC
- 8 DC outputs with a combined total power consumption of 360W
- Each DC output provides 48v
- Each DC output has a multi-colour LED confirming the chosen voltage by colour
- The unit is designed to provide both DC & AC overload protection
- Compatible with CB-22H, CB-23H, DDC-4012H and VP-605H. Please note that the “non-H” versions of these accessories are **NOT** meant to be used on the PD-6. Refer to FAQ for more information.
- Standard 19" - 1U rack mountable case

Front Panel



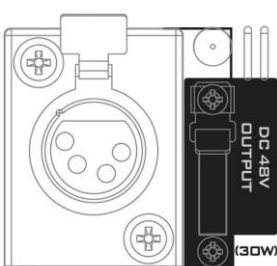
On / Off Switch

Powers the PD-6 On / Off when using AC Power.



AC In with built-in fuse

AC Inlet for connecting to suitable mains power outlet – 100-240VAC.
The socket contains a fuse holder with a 6.3A/250V fuse.



DC Output

8 DC outputs with a combined total power consumption of 360 Watts.
Each DC output provides 48 Volts.

Specifications

AC Input	Voltage Range	100~240 VAC
	AC frequency	50Hz or 60Hz
	Fuse Rating	6.3A/250VAC
	Efficiency (Typ.)	UP TO 80%
DC Output	DC Voltage	48V
	Voltage Tolerance	±3%
	Rated Power (Max)	4 channels for 30W ; 4 channels for 60W
Protection	DC Overload	105%~150% rated output power Protection type: recovers automatically after fault condition is removed
	AC Overload	non-recovery fuse on the AC input outlet
Connector	On/Off Switch	Powers the PD-6 On / Off Light switch indicator
	AC In outlet with built-in fuse	AC Inlet for connecting to suitable mains power outlet – 100-240VAC. The socket contains a fuse holder fitted with a 6.3A / 250V fuse.
	4PIN XLR Female	8 Groups of DC OUTPUT : (PIN1:GND , PIN2:VCC, PIN3/4:NC)
Environment	Working Temp	0°C to 40°C (32°F to 102°F)
	Working Humidity	10% to 90% (non condensing)
	Storage Temp Humidity	-40°C to +85°C, 10~95% RH
Others	Cooling Fan	Four built-in cooling fans, please ensure that these are not blocked, and that some airflow is available. N.B. Fan starts when internal ambient temperature is at about 50°C (2 fans in the middle and 1 fan at rightmost end). N.B. Fan starts when internal ambient temperature is at about 70°C (1 fan close to the Ground terminal)
	Dimensions	440 mm x 235 mm x 46 mm (L x W x H)
	Weight	Approx. 5.2 kg/ 11.5 lbs
	Ground Terminal	When connecting this unit to any other component, make sure that it is properly grounded by connecting this terminal to an appropriate point. When connecting, use the socket and be sure to use wire with a cross-sectional area of at least 1.0 mm ² .

NOTES

Service & Support

It is our goal to make owning and using Datavideo products a satisfying experience. Our support staff is available to assist you to set up and operate your system. Contact your local office for specific support requests. Plus, please visit www.datavideo.com to access our FAQ section.

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