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KERMATM
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LED CAMERA LIGHT
Li-Ion batteries and chargers
for professional camcorders



Zhengzhou KEMA Power Supply Co., Ltd.

CM-LEX900

Applicable to SONY PMW-EX1/EX3 camcorders and shoulder-mount camcorders



Detailed features

1. Made with professional color balanced white LED lamp
2. Energy saving and environmental-friendly design with maximum power consumption at approximately 10W only
3. Adjustable Barn doors design and built-in condenser lens allow maximum flexibility of wide/narrow homogenous light projecting angles (90° broad light and 45° high beam spotlight)
4. High intensity illumination with high luminous efficiency reaches 900lux at 1 meter distance
5. Extremely portable with 265g light weight design
6. Selectable 4500K/3200K color temperature suitable for both indoor and outdoor lighting
7. 2-level switchable brightness at 400lux and 900lux
8. High beam and flood light settings using the condenser lens
9. Maintenance free with 10,000 hours long life usage. Excellent impact and weather resistance quality
10. Built-in standard accessory shoe for additional equipment mount
11. Dual installation setup using accessory shoe or bolt mounting

Specifications

MODEL	CM-LEX900
Input	DC6~17V
Maximum Power Consumption	Approx. 10W
Maximum Luminosity	900lux (1m)
Lighting Distance	900lux (1m) 100lux (3m) 36lux (5m) 14lux (8m) 9lux (10m)
Color Temperature	4500K/3200K
Operating Temperature	0~40°C
Storing Temperature	-20~60°C
Weight	265g (only for professional camera light)
Interface Type	BP-U60/U30 or B type power plug (DC 6V~17V)
Dimension	104×86×110 (mm)
Usage Time	360minutes (BP-U60), 180minutes (BP-U30)

Note: Usage time is measured with full-charged battery at maximum brightness in ambient temperature of 25°C



Portable Camera Light



SONY BP-U60/U30 Battery Interface



Battery CE certificate



LED Light CE certificate



Charger CE certificate

CM-LBPS900

With interface for battery pack of SONY NP-F970/F770
Applicable to any shoulder-mount camcorder



Detailed features

1. Made with professional color balanced white LED lamp
2. Energy saving and environmental-friendly design with maximum power consumption at approximately 10W only
3. Adjustable barn doors design and built-in condenser lens allow maximum flexibility of wide/narrow homogenous light projecting angles (90°brand light and 45°high beam spotlight)
4. High intensity illumination with high luminous efficiency reaches 900lux at 1 meter distance
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- 10.Built-in standard accessory shoe for additional equipment mount
11. Dual installation setup using accessory shoe or bolt

Dual installation methods

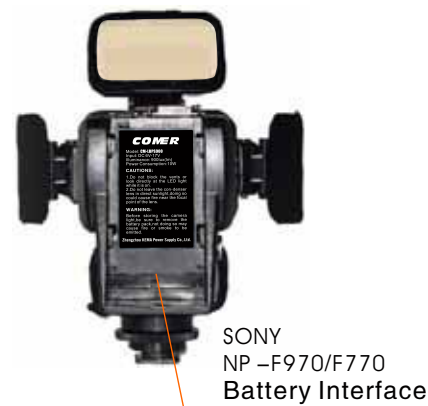


Method 1: Cold Shoe Method 2: Bolt

Specifications

MODEL	CM-LBPS900
Input	DC6~17V
Maximum Power Consumption	Approx. 10W
Maximum Luminosity	900lux (1m)
Color Temperature	4500K/3200K
Operating Temperature	0~40°C
Storing Temperature	-20~60°C
Weight	265g (only for professional camera light)
Interface Type	NP-F970/F770 or B type power plug (DC 6V~17V)
Dimension	104×86×110 (mm)
Usage Time	300 minutes (NP-F970) ,200 minutes (NP-F770)

Note: Usage time is measured with full-charged battery at maximum brightness in ambient temperature of 25°C



CM-LBPP900

With interface for battery pack of Panasonic CGA-D54S/D28S
Applicable to any shoulder-mount camcorder



Detailed features

1. Made with professional color balanced white LED lamp
2. Energy saving and environmental-friendly design with maximum power consumption at approximately 10W only
3. Adjustable barn doors design and built-in condenser lens allow maximum flexibility of wide/narrow homogenous light projecting angles (90°brand light and 45°high beam spotlight)
4. High intensity illumination with high luminous efficiency reaches 900lux at 1 meter distance
5. Extremely portable with 265g light weight design
6. Selectalbe 4500K/3200K color temperature suitalbe for both indoor and outdoor lighting
7. 2-level switchable brightness at 400lux and 900lux
8. High beam and flood light settings using the condenser lens
9. Maintenace free with 10,000 hours long life usage.Excellent impact and weather resistance quality
- 10.Built-in standard accessory shoe for additional equipment mount
- 11.Dual installation setup using accessory shoe or bolt

Specifications:

MODEL	CM-LBPP900
Input	DC6~17V
Maximum Power Consumption	Approx. 10W
Maximum Luminosity	900lux (1m)
Lighting Distance	900lux (1m) 100lux (3m) 36lux (5m) 14lux (8m) 9lux (10m)
Color Temperature	4500K/3200K
Operating Temperature	0~40°C
Storing Temperature	-20~60°C
Weight	265g (only for professional camera light)
Interface Type	CGA-D54S/D28S or B type power plug (DC 6V~17V)
Dimension	104×86×110 (mm)
Usage Time	250 minutes (CGA-D54S) ,130minutes (CGP-D28S)

Note: Usage time is measured with full-charged battery at maximum brightness in ambient temperature of 25°C



Standard Accessory shoe



Panasonic CGA-D54S/D28S Battery Interface

CM-LED1200/1800

Applicable to any shoulder-mount camcorders

Detailed features

1. Made with professional quality 4500k color corrected white LED lamp
2. Energy saving and environmental-friendly design with maximum power consumption at approximately 18W only
3. Adjustable barn doors design and built-in condenser lens allow maximum flexibility of wide/narrow homogenous light projecting angles (90° broad light and 45° high beam spotlight)
4. Super powerful luminous efficiency (CM-LBPS1200/CM-LED1200 delivers 1200lux at 1 meter distance. CM-LBPS1800/CM-LED1800 delivers 1800lux at 1 meter distance)
5. Selectable 4500K/3200K color temperature suitable for both indoor and outdoor lighting
6. Adjustable brightness using dimmer switch ranging from 10% to 100%
7. High beam and flood light settings using the condenser lens
8. Maintenance free with 10,000 hours long life usage. Excellent impact and weather resistance quality
9. Dual installation setup using accessory shoe or bolt



Specifications

MODEL	CM-LED1200	CM-LED1800
Input	DC 6~17V	
Maximum Power Consumption	Approx. 18W	
Maximum Luminosity	1200lux (1m)	1800lux (1m)
Lighting Distance	1200 lux (1m)	1800lux (1m)
	133lux (3m)	200lux (3m)
	48lux (5m)	72 lux (5m)
	19lux (8m)	28 lux (8m)
	12 lux (10m)	18 lux (10m)
Color Temperature	4500K/ 3200K	
Operating Temperature	0~40°C	
Storing Temperature	-20~+60°C	
Weight	420g (only for professional camera light)	
Interface Type	B type power plug (DC 6~17V)	
Dimension	Approx. 108×150×129 (mm)	
Usage Time	Approx. 420 minutes (14.8V battery pack with capacity of 130Wh)	

Note: Usage time is measured with full-charged battery at maximum brightness in ambient temperature of 25°C

Dual installation methods



Method 1: Cold Shoe



Method 2: Bolt



CM-LBPS1200/1800

With interface for battery pack of SONY NP-F970/F770
Applicable to any shoulder-mount camcorder

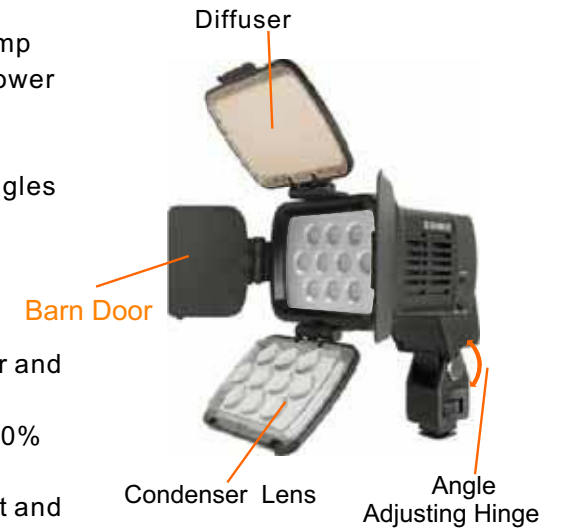
Specifications

MODEL	CM-LBPS1200	CM-LBPS1800
Input	DC 6~17V	
Maximum Power Consumption	Approx. 18W	
Maximum Luminosity	1200lux (1m)	1800lux (1m)
Lighting Distance	1200 lux (1m)	1800lux (1m)
	133lux (3m)	200lux (3m)
	48lux (5m)	72 lux (5m)
	19lux (8m)	28 lux (8m)
	12 lux (10m)	18 lux (10m)
Color Temperature	4500K/ 3200K	
Operating Temperature	0~40°C	
Storing Temperature	-20~+60°C	
Weight	420g (only for professional camera light)	
Interface Type	NP-F970/F770 or B type power plug (DC 6~17V)	
Dimension	Approx. 108×150×129 (mm)	
Usage Time	Approx. 160 minutes (NP-F970) Approx. 100 minutes (NP-F770)	

Note: Usage time is measured with full-charged battery at maximum brightness in ambient temperature of 25°C

Detailed features

1. Made with professional quality 4500k color corrected white LED lamp
2. Energy saving and environmental-friendly design with maximum power consumption at approximately 18W only
3. Adjustable barn doors design and built-in condenser lens allow maximum flexibility of wide/narrow homogenous light projecting angles (90° broad light and 45° high beam spotlight)
4. Super powerful luminous efficiency (CM-LBPS1200/CM-LED1200 delivers 1200lux at 1 meter distance. CM-LBPS1800/CM-LED1800 delivers 1800lux at 1 meter distance)
5. Selectable 4500K/3200K color temperature suitable for both indoor and outdoor lighting
6. Adjustable brightness using dimmer switch ranging from 10% to 100%
7. High beam and flood light settings using the condenser lens
8. Maintenance free with 10,000 hours long life usage. Excellent impact and weather resistance quality
9. Dual installation setup using accessory shoe or bolt



Battery Release Button



External Power source connector



Dimmer and Power Switch

SONY NP-F970/F770 Battery Interface



Portable Camera Light

Li-Ion battery for video camera



High Capacity Li-Ion Battery



SONY Mount



Anton/Bauer Mount



NP Mount

- **Built-in protection circuit:** To protect battery from over-charging , over-voltage and over current
- **Industry standard power:** Adapt to KERMA series traveling chargers through this power tap connector
- **Mounting on wireless microphone receiver:** The battery pack can be mounted on almost all types of Wireless microphone receiver
- Professional grade battery cells
- Delicate gilded electronic connector with strong conducting character

Specifications

Type	Mount type	Nominal voltage (V)	Rated capacity (wh)	Dimension (mm)	Weight (kg)	Operating temperature
BP-C190S	SONY V Mount	14.8	190	148 (D) × 98 (W) × 73.6 (H)	1.40	-30~+55°C
BP-C160S			160		1.15	
BP-C130S			130	0.93		
BP-C95S			95	0.70		
BP-C190A	Anton/Bauer Gold Mount		190	148 (D) × 98 (W) × 83.6 (H)	1.40	
BP-C160A			160		1.15	
BP-C130A			130	0.93		
BP-C95A			95	0.70		
NP-C60	NP-1B	60	180 (D) × 71 (W) × 25 (H)	0.46		

Digital Li-Ion battery

- Advanced digital power management system
- LCD displays battery status
- Can be used with traditional Li-Ion battery charger
- Obtain battery dynamic parameters through the built-in LED display
- Intelligent self-regulation power system
- Electronic ID
- Has all advantages of traditional battery pack



SONY Interface



Anton/Bauer Interface

Specifications

Type	Mount type	Nominal voltage (V)	Rated capacity (wh)	Dimension (mm)	Weight (kg)	Operating temperature
BP-C190SD	SONY V Mount	14.8	190	148 (D) × 98 (W) × 73.6 (H)	1.40	-30~+55°C
BP-C160SD			160		1.15	
BP-C130SD			130	0.93		
BP-C95SD			95	0.71		
BP-C190AD	Anton/Bauer Gold Mount		190	148 (D) × 98 (W) × 83.6 (H)	1.40	
BP-C160AD			160		1.15	
BP-C130AD			130	0.93		
BP-C95AD			95	0.71		



Digital chargers for Li-Ion battery

- **LCD display:** Read out of battery voltage ,current,capacity ,cycle times,manufacture date ,temperature and etc.
- **Intelligent charging system:** Optimizing battery charging process according to the loaded battery type
- Inherit all advantages of traditional Li-ion battery charger
- **Input:** AC100~240V 47~63Hz
- **Output:** DC12V 50W



Anton/Bauer Interface



SONY Interface

Specifications

Type	Mount type	Output voltage (V)	Charge current (A)	Dimension (mm)	Weight (kg)	Charge position	Adapter output
BC-C2SD	SONY V Mount	16.8	2×1.5	236 (D)×206 (w)×92 (H)	1.7	2	12v 50w
BC-C2AD	Anton/Bauer Gold Mount			233 (D)×207 (w)×83 (H)			

Traditional chargers for Li-Ion battery

- **Standard charger mount:** Install with safe and reliable Gold Mount ('A' type mount) or SONY 'V' mount
- **Super fast dual charging system:** Charge two batteries simultaneously with 2A supply in each channel
- **LED status display:** LED indicator showing battery charging status
- **Input:** AC120~240V 47~63Hz
- **Output:** DC12V 50W



Anton/Bauer Interface



SONY Interface



BC-C2N NP Interface

Specifications

Type	Mount type	Output voltage (V)	Adapter output	Dimension (mm)	Weight (kg)	Charge position	Charge current (A)
BC-C4S	SONY V Mount	16.8	12v 50w	236 (D)×285 (w)×90 (H)	2.0	4	4×1.5
BC-C2S				234 (D)×148 (w)×78 (H)	1.5	2	2×1.5
BC-C4A	Anton/Bauer Gold Mount			232 (D)×285 (w)×90 (H)	2.0	4	4×1.5
BC-C2A				231 (D)×142 (w)×70 (H)	1.5	2	2×1.5
BC-C4N	SONY NP-1B			226 (D)×226 (w)×78 (H)	2.0	4	4×1.2
BC-C2N				255 (D)×111 (w)×83 (H)	1.5	2	2×1.2

Peripheral Products

Camera mount

- The AP-CA mount can be mounted on the camera battery compartment to host the 'Gold Mount' type battery
- The AP-CS mount can be mounted on the camera battery compartment to host the 'V Mount' type battery
- Standard power tap connector
- Please refer to the user manual for installation details



SONY Mount

ANTON Mount

Power adapter

SP-C1 adapter provides protection circuitry to prevent the camera from power over-loading or over voltage

- **Input:** AC100~240V 47~63Hz
- **Output:** DC12V 50W
- **Size:** 125×72×36 (mm)
- **Weight:** 0.3Kg
- **Working Temperature:** 0~40°C



Adapter power

Portable charger

BC-C2 portable charger is specially designed for SONY V/Gold Mount Li-Ion battery

- **Input:** AC100~240V 47~63Hz
- **Output:** 16.8V 2×1A
- **Size:** 125×72×36 (mm)
- **Weight:** 0.3Kg
- **Working Temperature:** 0~40°C



Portable charger

KERMA ultralight CM-518/168

- KERMA ultralight can be easily mounted on camera handle
- Powered by camera battery directly
- High efficiency OSRAM tungsten halogen lamp
- Lamp life up to 4,000hours
- Selectable color temperature , power level , and irradiation range



KERMA ultralight