

SWIT®

Solutions With Innovative Technology
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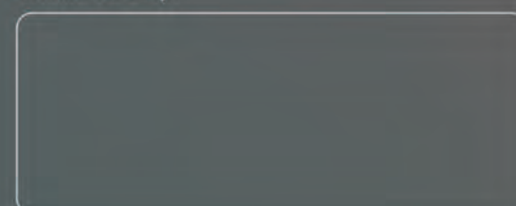
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2022 PRODUCT CATALOGUE

SWIT®



Monitor

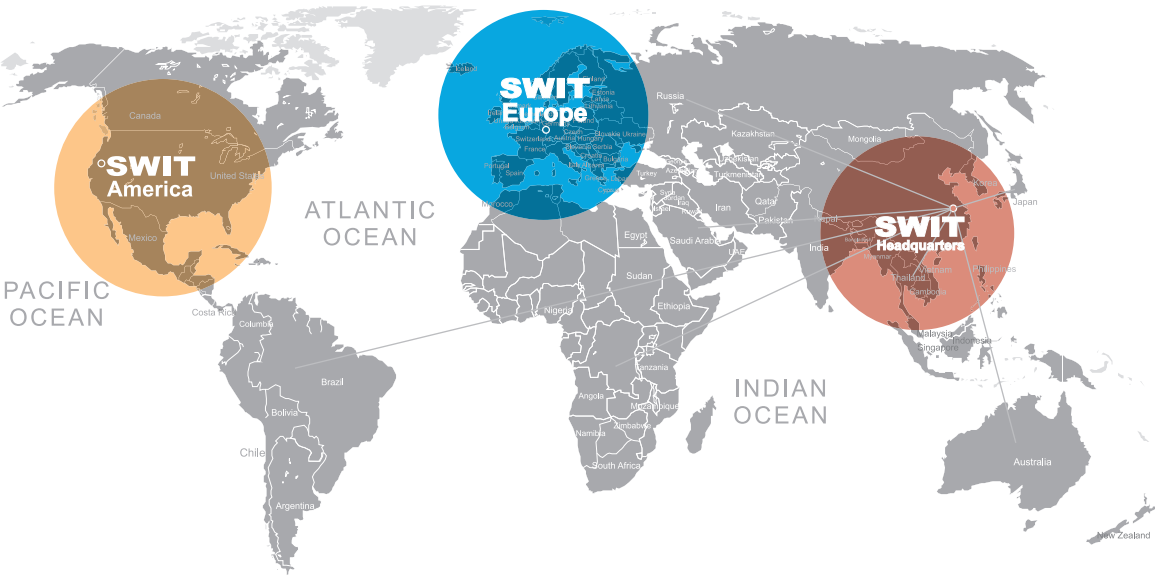
Wireless

Battery

Light



Global Distribution



About us

SWIT Electronics Co., Ltd. was founded in 1996, specialized in developing and manufacturing broadcast and film industry products, including 4K/UHD camera/studio monitors, wireless video transmission, Pro-camera batteries, chargers and power solutions, on-camera lightings and studio lightings.

SWIT headquarters locate in Nanjing, China, and SWIT European sub company locates in Nordrhein-Westfalen, Germany; SWIT America sub company locates in California, USA. SWIT owns an independent R&D center and has been granted more than 50 international patents.

Over the years, SWIT has gained great reputation worldwide for the outstanding and innovative products, and established an international distribution network covering more than100 countries and regions all around the world.

The trademark “SWIT” has been registered in more than 60 countries worldwide, and has been rated as the Well-known Brand of Nanjing City, and supported by the government.

In 2014, SWIT was listed on the stock exchange (stock code 430461). Quality, Reliability, Creativity and Compatibility are what you can find in SWIT, the trusted brand and choice.

Product Lines

Monitor

Include Camera-top, Field / Studio, rack mount monitors, up to 4K/UHD 12GSDI, for broadcasters and filmmakers. Full range video scopes, 3DLUT, auto calibration, etc.



Wireless

Professional 5GHz 3G-SDI & HDMI wireless transmission system from 150m to 3km, DFS comply, wall-cross, for field productions, director monitoring, drones, etc.



Battery

Full range of V-mount, Gold mount, NP-1 style, various DV batteries, and chargers, power stations for cameras, lights and all related equipments.



Light

Offer Camera-top news light, LED panels, LED Fresnels and Flexible lights for ENG, interview, studio and film, with high performance COB and SMD LEDs.



CM-55C
5.5-inch 4K-HDMI Camera Monitor

- ◆ 5.5-inch IPS LCD, 1920×1080 FHD
- ◆ HDMI 1.4 (4K30p) input
- ◆ Single joystick scene edit and switch operation
- ◆ 2x 4x Quick zoom-in and Pan
- ◆ Peaking, Focus assist and precision adjust
- ◆ Waveform, Vector scope, Histogram
- ◆ Build-in 30 kinds of camera De-log 3DLUTs
- ◆ User 3DLUTs upload by SD card
- ◆ 2-ch HDMI audio meters display
- ◆ Super False color, Zebra stripes, Anamorphic
- ◆ Battery slot for both NP-F and LP-E6
- ◆ DC out with dummy battery adaptors for cameras



CM-S75F
7-inch 3000nits Super Bright Monitor

- ◆ 7-inch IPS LCD, 1920×1200 FHD, 3000nits super bright
- ◆ 3G/HD-SDI input and loop out
- ◆ HDMI 1.4 (4K30p) input and loop out
- ◆ 2x 4x Quick zoom-in and Pan
- ◆ Peaking focus assist and precision adjust
- ◆ Waveform / Vector / Histogram
- ◆ Built-in PQ/HLG HDR & 30x SDR Delog Luts
- ◆ 16x User 3DLUT upload by SD card
- ◆ 2-ch SDI/HDMI audio meters display
- ◆ False color, Zebra, Anamorphic De-Squeeze
- ◆ Built-in NP-F plate and V-mount plate for option



CM-S75C
7-inch 3000nits Super Bright Monitor

- ◆ 7-inch IPS LCD, 1920×1200 FHD, 3000nits super bright
- ◆ HDMI 1.4 (4K30p) input and loop out
- ◆ 2x 4x Quick zoom-in and Pan
- ◆ Peaking focus assist and precision adjust
- ◆ Waveform / Vector / Histogram
- ◆ Built-in PQ/HLG HDR & 30x SDR Delog Luts
- ◆ 16x User 3DLUT upload by SD card
- ◆ 2-ch HDMI audio meters display
- ◆ False color, Zebra, Anamorphic De-Squeeze
- ◆ Built-in NP-F plate and V-mount plate for option



Optional Add-on Bundles



MA-55C1 SONY α7II/α7RII/α7SII	SONY NP-FW50 Dummy Battery	+	Micro HDMI cable (30cm)
MA-55C2 SONY α7RIII/α7RIII/α9	SONY NP-FZ100 Dummy Battery	+	Micro HDMI cable (30cm)
MA-55C3 Panasonic GH4/GH5/GH5S	Panasonic BLF19 Dummy Battery	+	Micro HDMI cable (30cm)
MA-55C4 Canon 5D2/3/4, 6D/2, 7D/2	Canon LP-E6 Dummy Battery	+	Mini HDMI cable (30cm)



Dummy battery adaptors for cameras

Specifications:

	Model	CM-55C
Picture	LCD size	5.5-inch
	Display area	121×68mm
	Resolution	1920×1080
	Color depth	16.77M colors
	Viewing angle	178°(H)/178°(V)
	Brightness / Contrast	450nits, 1000:1
	HDMI	4K30p HDMI 1.4 ×1
Input	SD card (Firmware & LUT)	SD card ×1
Output	Analog audio	3.5mm socket ×1
General	DC input	Micro USB (5-17V), Battery 6-8.4V
	DC output	3.5/1.35mm pole-tap, 6.5-8.4V
	Power consumption	≤5.5W
	Dimensions	156×78×20mm
	Weight	160g

Specifications:

	Model	CM-S75F	CM-S75C
Picture	LCD size	7-inch	7-inch
	Display area	151.2×94.5mm	151.2×94.5mm
	Resolution	1920×1200	1920×1200
	Color depth	16.77 million colors	16.77 million colors
	Viewing angle	160°(H)/120°(V)	160°(H)/120°(V)
	Brightness / Contrast	3000nits, 1200:1	3000nits, 1200:1
	SDI	3G/HD-SDI ×1	—
Input	HDMI	4K 30p HDMI 1.4 ×1	4K 30p HDMI 1.4 ×1
	SD card (Firmware & LUT)	SD card ×1	SD card ×1
Output	SDI loop out	3G/HD-SDI ×1	—
	HDMI loop out	4K 30p HDMI 1.4 ×1	4K 30p HDMI 1.4 ×1
	Analog audio	3.5mm socket ×1	3.5mm socket ×1
General	Working voltage	DC 11V-17V, NP-F battery 6-8.4V	DC 11V-17V, NP-F battery 6-8.4V
	Power consumption	≤18.8W	≤16.2W
	Dimensions	192×116.3×24.7mm	192×116.3×24.7mm
	Weight	450g	438g

CM-S73H
7-inch 3000nits Super Bright Monitor

- 7-inch IPS LCD, 1920×1200 resolution
- 3000nits super bright for outdoor productions
- 3G/HD/SD-SDI input & loop output
- HDMI 2.0 (4K60p) input & loop output
- 16-ch audio meters and select any 2-ch to output
- 9-steps quick zoom-in and pan
- Focus assist with precision adjustment
- Built-in PQ/HLG HDR and multi-camera SDR Delog Luts
- User 3DLUTs upload by USB
- On-screen TALLY display and GPI control
- Zebra stripes, False color, Blue only
- 6.5-17V DC in and S-7006 series V/Gold/DV plates for option
- USB firmware upgrade



S-1071H+
7-inch Broadcast Camera Monitor

- 7-inch FFS LCD, 1024×600 resolution
- 3G/HD/SD-SDI, HDMI, CVBS monitoring
- 2-ch SDI/HDMI embedded audio meter display
- AFD, H/V delay, SDI timecode display
- Focus assist, Zebra, R/G/B/Mono, False color
- TSL UMD and text TALLY display
- Front / Rear TALLY light and GPI control
- 4pin XLR DC in & S-7004 series V/Gold/DV plates for option
- USB firmware upgrade



Specifications:

	Model	CM-S73H	S-1071H+
Picture	LCD size	7-inch	7-inch
	Display area	151.2×94.5mm	153.6×90mm
	Resolution	1920×1200	1024×600
	Color depth	16.77 million colors	16.77 million colors
	Viewing angle	160°(H)/120°(V)	160°(H)/160°(V)
	Brightness / Contrast	3000nits, 1200:1	400nits, 900:1
Input	SDI	3G/HD/SD-SDI×2	3G/HD/SD-SDI×1
	HDMI	4K60p HDMI 2.0×1	HDMI 1.3×1
	CVBS	—	CVBS×1
	Analog audio	—	RCA L×1, R×1
	USB (firmware upgrade)	USB×1	USB×1
Output	SDI loop out	3G/HD/SD-SDI×1	3G/HD/SD-SDI×1
	HDMI loop out	4K60p HDMI 2.0×1	HDMI 1.3×1
	CVBS loop out	—	CVBS×1
	Analog audio	3.5mm socket×1	3.5mm socket×1
	Power consumption	≤26W	≤10W
General	Working voltage	DC/Battery 6.5-17V	DC/Battery 6.5-17V
	Dimension	187×137×41mm	192×139×47mm
	Weight	500g	550g

S-1093F
9-inch FHD Broadcast Camera Monitor

- 9-inch IPS LCD, 1920×1200 resolution
- 3G/HD/SD-SDI, HDMI, CVBS monitoring
- 16-ch audio meters and select any 2-ch to output
- Waveform Y/Cb/Cr/R/G/B and single line
- Vector scope, R/G/B/Y histogram
- AFD, H/V delay, SDI timecode display
- Focus assist, Zebra, R/G/B/Mono, False color
- TSL UMD and text TALLY display
- Front / Rear TALLY light and GPI control
- 4pin XLR DC in & S-7004 series V/Gold/DV plates for option
- USB firmware upgrade



S-1093H
9-inch FHD Broadcast Camera Monitor

- 9-inch IPS LCD, 1920×1200 resolution
- 3G/HD/SD-SDI, HDMI, CVBS monitoring
- 2-ch SDI/HDMI embedded audio meter display
- AFD, H/V delay, SDI timecode display
- Focus assist, Zebra, R/G/B/Mono, False color
- TSL UMD and text TALLY display
- Front / Rear TALLY light and GPI control
- 4pin XLR DC in & S-7004 series V/Gold/DV plates for option
- USB firmware upgrade



Specifications:

	Model	S-1093F	S-1093H
Picture	LCD size	9-inch	9-inch
	Display area	192×120mm	192×120mm
	Resolution	1920×1200	1920×1200
	Color depth	16.77 million colors	16.77 million colors
	Viewing angle	170°(H)/170°(V)	170°(H)/170°(V)
	Brightness / Contrast	450nits, 1000:1	450nits, 1000:1
Input	SDI	3G/HD/SD-SDI×2	3G/HD/SD-SDI×2
	HDMI	HDMI 1.3×1	HDMI 1.3×1
	CVBS	CVBS×1	CVBS×1
	Analog audio	3.5mm socket×1	3.5mm socket×1
	USB (firmware upgrade)	USB×1	USB×1
Output	SDI loop out	3G/HD/SD-SDI×2	3G/HD/SD-SDI×2
	HDMI loop out	HDMI 1.3×1	HDMI 1.3×1
	CVBS loop out	CVBS×1	CVBS×1
	Analog audio	3.5mm socket×1	3.5mm socket×1
	Power consumption	≤18W	≤18W
General	Working voltage	DC/Battery 6.5-24V	DC/Battery 6.5-24V
	Dimension	241×178×50mm	241×178×50mm
	Weight	960g	960g

Professional Field/Studio Monitors



4K/8K
1000nits
HLG/PQ
QLED
NDI®



4K
3840

12G
x4

HLG
PQ

Auto
Calibration

BM-U175 17.3-inch 4K Studio Monitor

- ◆ 17.3-inch 3840×2160 UHD LCD
- ◆ 18-bit signal processing
- ◆ 12G-SDI 4 in 4 out, 8K input ready, HDMI2.0 in
- ◆ 12GSDI via fiber input by optional SFP adaptor
- ◆ 4-ch 12G/6G/3G/HD-SDI/HDMI mixed multiview
- ◆ Rec.2020, DCI-P3, Rec.709 color gamut select
- ◆ HLG1000, PQ1000, S-log3 HDR select
- ◆ Payload ID identified EOTF, color space etc
- ◆ 3DLut Auto Self-calibration without PC
- ◆ User 3DLuts upload by USB
- ◆ Audio/Video Zero latency (0.01frame)
- ◆ Waveform / Vector / Histogram / Eye pattern
- ◆ 16-ch audio meters / Lissajous pattern
- ◆ IP Webserver remote control
- ◆ 19-inch 7U rack mountable



4K
3840

12G
x4

HLG
PQ

Auto
Calibration

BM-U245 23.8-inch 4K Studio Monitor

- ◆ 23.8-inch 10bit 3840×2160 UHD LCD
- ◆ 18-bit signal processing
- ◆ 12G-SDI 4 in 4 out, 8K input ready, HDMI2.0 in
- ◆ 12GSDI via fiber input by optional SFP adaptor
- ◆ 4-ch 12G/6G/3G/HD-SDI/HDMI mixed multiview
- ◆ Rec.2020, DCI-P3, Rec.709 color gamut select
- ◆ HLG1000, PQ1000, S-log3 HDR select
- ◆ Payload ID identified EOTF, color space etc
- ◆ 3DLut Auto Self-calibration without PC
- ◆ User 3DLuts upload by USB
- ◆ Audio/Video Zero latency (0.01frame)
- ◆ Waveform / Vector / Histogram / Eye pattern
- ◆ 16-ch audio meters / Lissajous pattern
- ◆ IP Webserver remote control



4K 3840
12G x4
1000 nits
HLG PQ
Auto Calibration

BM-U245HDR
23.8-inch 1000nits 4K HDR Monitor

- ◆ 23.8-inch 10bit 1000nits LCD, 3840×2160 UHD
- ◆ 18-bit signal processing
- ◆ 12G-SDI 4 in 4 out, 8K input ready, HDMI2.0 in
- ◆ 12GSDI via fiber input by optional SFP adaptor
- ◆ 4-ch 12G/6G/3G/HD-SDI/HDMI mixed multiview
- ◆ HLG1000, PQ1000, S-log3 HDR
- ◆ Payload ID identified EOTF, color space etc
- ◆ 3DLut Auto Self-calibration without PC
- ◆ User 3DLuts upload by USB
- ◆ Audio/Video Zero latency (0.01frame)
- ◆ Waveform / Vector / Histogram / Eye pattern
- ◆ 16-ch audio meters / Lissajous pattern



4K 3840
12G x4
1000 nits
HLG PQ
Auto Calibration

BM-U275HDR
27-inch 1000nits 4K HDR Monitor

- ◆ 27-inch 10bit 1000nits LCD, 3840×2160 UHD
- ◆ 18-bit signal processing
- ◆ 12G-SDI 4 in 4 out, 8K input ready, HDMI2.0 in
- ◆ 12GSDI via fiber input by optional SFP adaptor
- ◆ 4-ch 12G/6G/3G/HD-SDI/HDMI mixed multiview
- ◆ HLG1000, PQ1000, S-log3 HDR
- ◆ Payload ID identified EOTF, color space etc
- ◆ 3DLut Auto Self-calibration without PC
- ◆ User 3DLuts upload by USB
- ◆ Audio/Video Zero latency (0.01frame)
- ◆ Waveform / Vector / Histogram / Eye pattern
- ◆ 16-ch audio meters / Lissajous pattern



4K 3840
12G x4
1000 nits
HLG PQ
Auto Calibration

BM-U325HDR
31.5-inch 1000nits 4K HDR Monitor

- ◆ 31.5-inch 10bit 1000nits LCD, 3840×2160 UHD
- ◆ 18-bit signal processing
- ◆ 12G-SDI 4 in 4 out, 8K input ready, HDMI2.0 in
- ◆ 12GSDI via fiber input by optional SFP adaptor
- ◆ 4-ch 12G/6G/3G/HD-SDI/HDMI mixed multiview
- ◆ HLG1000, PQ1000, S-log3 HDR
- ◆ Payload ID identified EOTF, color space etc
- ◆ 3DLut Auto Self-calibration without PC
- ◆ User 3DLuts upload by USB
- ◆ Audio/Video Zero latency (0.01frame)
- ◆ Waveform / Vector / Histogram / Eye pattern
- ◆ 16-ch audio meters / Lissajous pattern

3DLUT Auto Self-Calibration

Traditional 3DLUT calibration need to connect a computer with 3DLUT calibration software, and the computer generate color patterns, read by color sensors and the 3DLUT software calculate and generate calibration cube. Then upload the calibration cube to the monitor to calibrate.

BM-U series 4K monitors has built-in 3DLUT calibration software (copyright), support X-rite i1 pro and Jeti Specbos 1211 probes to directly connect with the monitor USB port. The monitor generates color patterns by itself, and the color probes read the color, send color info to monitor via USB. Then the monitor generates 3DLUT cube internally and calibrate itself automatically.

Calibration time: X-rite i1 15min, Specbos 1211 45min
Calibration result: $\Delta E \leq 1.0$



Directly connect Probe via USB



JETI Specbos 1211



X-rite i1 (Dedicated version)

Specifications:

	Model	BM-U175	BM-U245	BM-U245HDR	BM-U275HDR	BM-U325HDR
LCD	LCD Size	17.3-inch	23.8-inch	23.8-inch	27-inch	31.5-inch
	Display area	382.12×214.94mm	527.04×296.46mm	527.04×296.46mm	596.74×335.66mm	697.3×392.2mm
	Resolution	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160
	Viewing angle	H/V: 178°/178°	H/V: 178°/178°	H/V: 178°/178°	H/V: 178°/178°	H/V: 178°/178°
	Bright/Cont.	400nits / 1000:1	300nits / 1000:1	1000nits / 1000:1	1000nits / 1000:1	1000nits / 1000:1
	Color depth	8-bit 16.77M colors	10-bit 1.073G colors	10-bit 1.073G colors	10-bit 1.073G colors	10-bit 1.073G colors
Input	SDI	12G/6G/3G/HD/SD-SDI ×4	12G/6G/3G/HD/SD-SDI ×4	12G/6G/3G/HD/SD-SDI ×4	12G/6G/3G/HD/SD-SDI ×4	12G/6G/3G/HD/SD-SDI ×4
	HDMI	4K60p HDMI2.0 ×1	4K60p HDMI2.0 ×1	4K60p HDMI2.0 ×1	4K60p HDMI2.0 ×1	4K60p HDMI2.0 ×1
	SFP	12GSDI via Fiber ×1 (optional)	12GSDI via Fiber ×1 (optional)	12GSDI via Fiber ×1 (optional)	12GSDI via Fiber ×1 (optional)	12GSDI via Fiber ×1 (optional)
	UMD	RS485 ×1	RS485 ×1	RS485 ×1	RS485 ×1	RS485 ×1
	GPI (Tally)	RS485 ×1	RS485 ×1	RS485 ×1	RS485 ×1	RS485 ×1
	Ethernet	RJ45 1000Mbps ×1	RJ45 1000Mbps ×1	RJ45 1000Mbps ×1	RJ45 1000Mbps ×1	RJ45 1000Mbps ×1
Output	Firmware/LUT	USB ×1	USB ×1	USB ×1	USB ×1	USB ×1
	SDI	12G/6G/3G/HD/SD-SDI ×4	12G/6G/3G/HD/SD-SDI ×4	12G/6G/3G/HD/SD-SDI ×4	12G/6G/3G/HD/SD-SDI ×4	12G/6G/3G/HD/SD-SDI ×4
	UMD	RS485 ×1	RS485 ×1	RS485 ×1	RS485 ×1	RS485 ×1
	Analog audio	3.5mm socket ×1	3.5mm socket ×1	3.5mm socket ×1	3.5mm socket ×1	3.5mm socket ×1
	AC input	AC 100-240V, 50/60Hz	AC 100-240V, 50/60Hz	AC 100-240V, 50/60Hz	AC 100-240V, 50/60Hz	AC 100-240V, 50/60Hz
	DC input	DC 12V-17V	DC 12V-17V	DC 12V-17V	—	—
General	Power	≤60W	≤70W	≤120W	≤130W	≤150W
	Dimension	436×310.8×92mm	580.9×392.3×92mm	593×404.5×92mm	652.3×433.1×92mm	753.5×490×111.1mm
	Net weight	5.9kg	8.87kg	10kg	11kg	16kg



BM-H215
21.5-inch QLED 4K Input Ready Monitor

- ◆ 21.5-inch 1920×1080 QLED Panel
- ◆ 100% DCI-P3 wide color gamut coverage
- ◆ VICO 1.97 A-class Eye Protecting
- ◆ 12G-SDI in&loop and 4x 3G-SDI 4K input
- ◆ HDMI2.0 (4K60P) input
- ◆ 12G/6G/3G/HD-SDI/HDMI mixed Quadview
- ◆ 3DLut Auto Self-calibration without PC
- ◆ User 3DLuts upload by USB
- ◆ Audio/Video Zero latency (0.01frame)
- ◆ Waveform / Vector / Histogram / 12GSDI Eye pattern
- ◆ 16-ch audio meters / Lissajous pattern
- ◆ IP Webserver remote control



BM-H245
23.8-inch QLED 4K Input Ready Monitor

- ◆ 23.8-inch 1920×1080 QLED Panel
- ◆ 100% DCI-P3 wide color gamut coverage
- ◆ VICO 1.97 A-class Eye Protecting
- ◆ 12G-SDI in&loop and 4x 3G-SDI 4K input
- ◆ HDMI2.0 (4K60P) input
- ◆ 12G/6G/3G/HD-SDI/HDMI mixed Quadview
- ◆ 3DLut Auto Self-calibration without PC
- ◆ User 3DLuts upload by USB
- ◆ Audio/Video Zero latency (0.01frame)
- ◆ Waveform / Vector / Histogram / 12GSDI Eye pattern
- ◆ 16-ch audio meters / Lissajous pattern
- ◆ IP Webserver remote control

■ Specifications:

Model		BM-H215	BM-H245
LCD	LCD Size	21.5-inch	23.8-inch
	Resolution	1920×1080	1920×1080
	Viewing angle	H/V: 178°/178°	H/V: 178°/178°
	Brightness/Contrast	400nits / 3000:1	400nits / 3000:1
	Color depth	10bit (8+2FRC)	10bit (8+2FRC)
	Color gamut	100% DCI-P3	100% DCI-P3
Input	SDI in1	12G/6G/3G/HD/SD-SDI ×1	12G/6G/3G/HD/SD-SDI ×1
	SDI in2/3/4	3G/HD/SD-SDI ×3	3G/HD/SD-SDI ×3
	HDMI in	4K60p HDMI2.0 ×1	4K60p HDMI2.0 ×1
	UMD in	RS485 ×1	RS485 ×1
	GPI (Tally) in	RS485 ×1	RS485 ×1
	Ethernet	RJ45 1000Mbps ×1	RJ45 1000Mbps ×1
	Firmware/LUT	USB ×1	USB ×1
Output	SDI loop1	12G/6G/3G/HD/SD-SDI ×1	12G/6G/3G/HD/SD-SDI ×1
	SDI loop2	3G/HD/SD-SDI ×1	3G/HD/SD-SDI ×1
	UMD out	RS485 ×1	RS485 ×1
	Analog audio	3.5mm socket ×1	3.5mm socket ×1
General	AC input	AC 100-240V, 50/60Hz	AC 100-240V, 50/60Hz
	DC input	DC 12V-17V	DC 12V-17V
	Power consumption	≤60W	≤60W
	Dimension	530.6×364.3×67mm	580.9×392.3×67mm
	Net weight	6.6kg	7.8kg



BM-215-NDI
21.5-inch QLED Professional NDI® Monitor

- ◆ 21.5-inch 1920×1080 QLED Panel
- ◆ 100% DCI-P3 wide color gamut coverage
- ◆ VICO 1.97 A-class Eye Protecting
- ◆ High bandwidth 4K NDI®, 3GSDI and HDMI2.0 input
- ◆ NDI® decode to 3GSDI output
- ◆ NDI®/SDI/HDMI PBP or PIP view
- ◆ Auto detect and quick select NDI® sources
- ◆ NDI® Discovery Server, NDI® Low bandwidth mode
- ◆ 3DLut Auto Self-calibration without PC
- ◆ Waveform / Vector / Histogram / False color / Zebra
- ◆ 16-ch audio meters / Lissajous pattern
- ◆ IP webserver remote control



BM-245-NDI
23.8-inch QLED Professional NDI® Monitor

- ◆ 23.8-inch 1920×1080 QLED Panel
- ◆ 100% DCI-P3 wide color gamut coverage
- ◆ VICO 1.97 A-class Eye Protecting
- ◆ High bandwidth 4K NDI®, 3GSDI and HDMI2.0 input
- ◆ NDI® decode to 3GSDI output
- ◆ NDI®/SDI/HDMI PBP or PIP view
- ◆ Auto detect and quick select NDI® sources
- ◆ NDI® Discovery Server, NDI® Low bandwidth mode
- ◆ 3DLut Auto Self-calibration without PC
- ◆ Waveform / Vector / Histogram / False color / Zebra
- ◆ 16-ch audio meters / Lissajous pattern
- ◆ IP webserver remote control

■ Specifications:

Model		BM-215-NDI	BM-245-NDI
LCD	LCD Size	21.5-inch	23.8-inch
	Resolution	1920×1080	1920×1080
	Viewing angle	H/V: 178°/178°	H/V: 178°/178°
	Brightness/Contrast	400nits / 3000:1	400nits / 3000:1
	Color depth	10bit (8+2FRC)	10bit (8+2FRC)
	Color gamut	100% DCI-P3	100% DCI-P3
Input	NDI® in	High bandwidth NDI® up to 4K30p	High bandwidth NDI® up to 4K30p
	SDI in1/2	3G/HD/SD-SDI ×2	3G/HD/SD-SDI ×2
	HDMI in	4K60p HDMI2.0 ×1	4K60p HDMI2.0 ×1
	UMD in	RS485 ×1	RS485 ×1
	GPI (Tally) in	RS485 ×1	RS485 ×1
	Firmware/LUT	USB ×1	USB ×1
Output	SDI loop	3G/HD/SD-SDI ×1	3G/HD/SD-SDI ×1
	NDI® to SDI decode out	3G/HD/SD-SDI ×1	3G/HD/SD-SDI ×1
	UMD out	RS485 ×1	RS485 ×1
	Analog audio	3.5mm socket ×1	3.5mm socket ×1
General	AC input	AC 100-240V, 50/60Hz	AC 100-240V, 50/60Hz
	DC input	DC 12V-17V	DC 12V-17V
	Power consumption	≤45W	≤45W
	Dimension	530.6×364.3×74.2mm	580.9×392.3×74.2mm
	Net weight	5.9kg	8.87kg

* NDI® is a registered trademark of Vizrt Group.

S-1173F
17.3-inch Broadcast Studio Monitor



- ◆ 17.3-inch LCD Panel, 1920×1080 resolution
- ◆ 3G/HD/SD-SDI (x2), HDMI, YUV, VGA, CVBS monitoring
- ◆ 16-ch audio meters and select any 2-ch to output
- ◆ 3DLUT accurate color calibration
- ◆ Build-in multi delog Luts, User Luts upload by USB
- ◆ Waveform Y/Cb/Cr/R/G/B and single line
- ◆ Vector scope, histogram R/G/B/Y, Focus assist
- ◆ False Color, R/G/B/Mono, Zebra stripes
- ◆ AFD, Timecode, H/V delay, TSL UMD
- ◆ Marker 4:3/13:9/14:9/15:9/1.85:1/2.35:1
- ◆ V-mount / Gold mount battery plate optional
- ◆ 19-inch 7U rack mount
- ◆ USB firmware upgrade

S-1273F
27-inch Broadcast Studio Monitor



- ◆ 27-inch LCD Panel, 1920×1080 resolution
- ◆ 3G/HD/SD-SDI (x2), HDMI, YUV, VGA, CVBS monitoring
- ◆ 16-ch audio meters and select any 2-ch to output
- ◆ 3DLUT accurate color calibration
- ◆ Build-in multi delog Luts, User Luts upload by USB
- ◆ Waveform Y/Cb/Cr/R/G/B and single line
- ◆ Vector scope, histogram R/G/B/Y, Focus assist
- ◆ False Color, R/G/B/Mono, Zebra stripes
- ◆ AFD, Timecode, H/V delay, TSL UMD
- ◆ Marker 4:3/13:9/14:9/15:9/1.85:1/2.35:1
- ◆ V-mount / Gold mount battery plate optional
- ◆ USB firmware upgrade

S-1223F
21.5-inch Broadcast Studio Monitor



- ◆ 21.5-inch LCD Panel, 1920×1080 resolution
- ◆ 3G/HD/SD-SDI (x2), HDMI, YUV, VGA, CVBS monitoring
- ◆ 16-ch audio meters and select any 2-ch to output
- ◆ 3DLUT accurate color calibration
- ◆ Build-in multi delog Luts, User Luts upload by USB
- ◆ Waveform Y/Cb/Cr/R/G/B and single line
- ◆ Vector scope, histogram R/G/B/Y, Focus assist
- ◆ False Color, R/G/B/Mono, Zebra stripes
- ◆ AFD, Timecode, H/V delay, TSL UMD
- ◆ Marker 4:3/13:9/14:9/15:9/1.85:1/2.35:1
- ◆ V-mount / Gold mount battery plate optional
- ◆ USB firmware upgrade

S-1243F
23.8-inch Broadcast Studio Monitor



- ◆ 23.8-inch LCD Panel, 1920×1080 resolution
- ◆ 3G/HD/SD-SDI (x2), HDMI, YUV, VGA, CVBS monitoring
- ◆ 16-ch audio meters and select any 2-ch to output
- ◆ 3DLUT accurate color calibration
- ◆ Build-in multi delog Luts, User Luts upload by USB
- ◆ Waveform Y/Cb/Cr/R/G/B and single line
- ◆ Vector scope, histogram R/G/B/Y, Focus assist
- ◆ False Color, R/G/B/Mono, Zebra stripes
- ◆ AFD, Timecode, H/V delay, TSL UMD
- ◆ Marker 4:3/13:9/14:9/15:9/1.85:1/2.35:1
- ◆ V-mount / Gold mount battery plate optional
- ◆ USB firmware upgrade

Specifications:

	Model	S-1173F	S-1223F	S-1243F	S-1273F
LCD	LCD Size	17.3-inch	21.5-inch	23.8-inch	27-inch
	Display area	381.89×214.8mm	476×268mm	527.04×296.46mm	598×336mm
	Resolution	1920×1080	1920×1080	1920×1080	1920×1080
	Aspect ratio	16:9 / 4:3	16:9 / 4:3	16:9 / 4:3	16:9 / 4:3
	Viewing angle	H/V: 160°/160°	H/V: 178°/178°	H/V: 178°/178°	H/V: 178°/178°
	Brightness	300nits	250nits	250nits	250nits
	Color depth	16.77 million colors	16.77 million colors	16.77 million colors	16.77 million colors
	Contrast	700:1	1000:1	1000:1	1000:1
Input	SDI	3G/HD/SD-SDI ×2	3G/HD/SD-SDI ×2	3G/HD/SD-SDI ×2	3G/HD/SD-SDI ×2
	Y/Pb/Pr	Y/Pb/Pr ×1	Y/Pb/Pr ×1	Y/Pb/Pr ×1	Y/Pb/Pr ×1
	CVBS	CVBS ×1	CVBS ×1	CVBS ×1	CVBS ×1
	HDMI	HDMI ×1	HDMI ×1	HDMI ×1	HDMI ×1
	UMD	RS485 ×1, RS232 ×1	RS485 ×1, RS232 ×1	RS485 ×1, RS232 ×1	RS485 ×1, RS232 ×1
	GPI	RS485 ×1	RS485 ×1	RS485 ×1	RS485 ×1
	VGA	VGA ×1	VGA ×1	VGA ×1	VGA ×1
	Analog audio	RCA L ×1, R ×1	RCA L ×1, R ×1	RCA L ×1, R ×1	RCA L ×1, R ×1
Output	USB	USB ×1	USB ×1	USB ×1	USB ×1
	SDI loop	3G/HD/SD-SDI ×2	3G/HD/SD-SDI ×2	3G/HD/SD-SDI ×2	3G/HD/SD-SDI ×2
	CVBS loop	CVBS ×1	CVBS ×1	CVBS ×1	CVBS ×1
	HDMI loop	HDMI ×1	HDMI ×1	HDMI ×1	HDMI ×1
	UMD	RS485 ×1	RS485 ×1	RS485 ×1	RS485 ×1
	Analog audio	3.5mm socket ×1	3.5mm socket ×1	3.5mm socket ×1	3.5mm socket ×1
	Working voltage	DC/Battery: 11V-17V	DC/Battery: 11V-17V	DC/Battery: 11V-17V	DC/Battery: 11V-17V
	Power consumption	≤32W	≤32W	≤36W	≤36W
General	Working temperature	0°C~+40°C	0°C~+40°C	0°C~+40°C	0°C~+40°C
	Working humidity	10%~90%	10%~90%	10%~90%	10%~90%
	Storage temperature	-15°C~+60°C	-15°C~+60°C	-15°C~+60°C	-15°C~+60°C
	Storage humidity	10%~90%	10%~90%	10%~90%	10%~90%
	Dimension	430×310×73mm	525×358×87mm	576×387×87mm	646×445×86mm
	Net weight	4.65kg	6.2kg	7.2kg	8.8kg



M-1093F
Dual 9-inch Rack Mount Monitor

- ◆ 9-inch LCD×2, 1920×1200 resolution
- ◆ Standard 19" 4RU rack install, ±30° rotatable
- ◆ 3G/HD/SD-SDI, HDMI, CVBS monitoring
- ◆ Up to 16-ch embedded audio meters with alert
- ◆ Select any 2 audio channels to output
- ◆ Waveform Y/Cb/Cr/R/G/B and single line
- ◆ Vector scope, R/G/B/Y histogram
- ◆ AFD, H/V delay, R/G/B/Mono, False color
- ◆ TSL UMD and text TALLY display
- ◆ Zebra stripes, Peaking focus assist
- ◆ SDI timecode display
- ◆ Marker 4:3, 13:9, 14:9, 15:9, 1.85:1, 2.35:1
- ◆ Front TALLY light and GPI control
- ◆ USB firmware upgrade



M-1073H
Dual 7-inch Rack Mount Monitor

- ◆ 7-inch LCD×2, 1920×1200 resolution
- ◆ Standard 19" 3RU rack install, ±30° rotatable
- ◆ 3G/HD/SD-SDI, HDMI 2.0 (4K60p) monitoring
- ◆ Up to 16-ch embedded audio meters with alert
- ◆ Select any 2 audio channels to output
- ◆ 9 steps quick zoom-in and mapping
- ◆ Peaking focus assist with precision adjustment
- ◆ Build-in multi-camera De-log 3DLuts
- ◆ User 3DLUT cube upload by USB
- ◆ Zebra stripes, False color, R/G/B/Mono
- ◆ H/V delay, AFD, Timecode display
- ◆ Marker 4:3, 13:9, 14:9, 15:9, 1.85:1, 2.35:1
- ◆ Front TALLY light and GPI control
- ◆ USB firmware upgrade



M-1093H
Dual 9-inch Rack Mount Monitor

- ◆ 9-inch LCD×2, 1920×1200 resolution
- ◆ Standard 19" 4RU rack install, ±30° rotatable
- ◆ 3G/HD/SD-SDI, HDMI, CVBS monitoring
- ◆ 2-ch SDI/HDMI embedded audio meters display
- ◆ AFD, H/V delay, R/G/B/Mono, False color
- ◆ TSL UMD and text TALLY display
- ◆ Zebra stripes, Peaking focus assist
- ◆ SDI timecode display
- ◆ Marker 4:3, 13:9, 14:9, 15:9, 1.85:1, 2.35:1
- ◆ Front TALLY light and GPI control
- ◆ USB firmware upgrade

■ Specifications:

	Model	M-1093F	M-1093H	M-1073H
Picture	LCD size	9-inch×2	9-inch×2	7-inch×2
	Resolution	1920×1200	1920×1200	1920×1200
	Color depth	16.77 million colors	16.77 million colors	16.77 million colors
	Viewing angle	H/V:170°/170°	H/V:170°/170°	H/V:160°/160°
	Brightness / Contrast	450nits, 1000:1	450nits, 1000:1	400nits, 1000:1
Input (each LCD)	SDI	3G/HD/SD-SDI×2	3G/HD/SD-SDI×2	3G/HD/SD-SDI×2
	HDMI	HDMI×1	HDMI×1	4K60p HDMI 2.0×1
	CVBS	CVBS×1	CVBS×1	—
	Analog audio	3.5mm socket×1	3.5mm socket×1	—
Output (each LCD)	SDI loop out	3G/HD/SD-SDI×2	3G/HD/SD-SDI×2	3G/HD/SD-SDI×1
	HDMI loop out	HDMI×1	HDMI×1	4K60p HDMI 2.0×1
	CVBS loop out	CVBS×1	CVBS×1	—
	Analog audio	3.5mm socket×1	3.5mm socket×1	3.5mm socket×1
General	Power consumption	≤36W	≤36W	18 - 26W
	Working voltage	DC 6.5-24V	DC 6.5-24V	DC 6.5-36V
	Dimension	484×177×112.8mm, 4RU	484×177×112.8mm, 4RU	484×130×82mm, 3RU
	Weight	2.8kg	2.8kg	2.4kg

CURVE500+
HDMI 500ft/150m Wireless System
With USB Capture for PC/Mac Live Streaming

- KUWI 5.1-5.9GHz Wireless Technology
- DFS comply, CE/FCC certificated
- HDMI 1080p60 wireless transmission
- Receiver USB 1080p60 video capture output for PC/Mac
- 500ft/150m (Line-of-Sight) distance
- 2-ch HDMI audio transmission
- Built-in freq. scanner, auto jump to a best channel
- Stable connection and stronger wall-cross
- Support 7 pairs working in one location
- Wireless protocol & content double encryption
- NP-F DV battery plate for both Tx and Rx



FLOW500
SDI&HDMI 500ft/150m Wireless System

- KUWI 5.1-5.9GHz Wireless Technology
- DFS comply, CE/FCC certificated
- 3GSDI & HDMI, with 3GSDI loop out
- 500ft/150m (Line-of-Sight) distance
- 2-ch SDI&HDMI audio transmission
- OLED info and channel switching
- Built-in freq. scanner, auto jump to a best channel
- Stable connection and stronger wall-cross
- Support 7 pairs working in one location
- Multicast - 1 transmitter to multiple receivers
- Wireless protocol & content double encryption
- Reclock and accurate color reproduction
- NP-F DV battery plate for both Tx and Rx



FLOW2000
SDI&HDMI 2000ft/600m Wireless System

- KUWI 5.1-5.9GHz Wireless Technology
- DFS comply, CE/FCC certificated
- 3GSDI & HDMI, with 3GSDI loop out
- 2000ft/600m (Line-of-Sight) distance
- 2-ch SDI&HDMI audio transmission
- OLED info and channel switching
- Built-in freq. scanner, auto jump to a best channel
- Stable connection and stronger wall-cross
- Support 7 pairs working in one location
- Multicast - 1 transmitter to multiple receivers
- Wireless protocol & content double encryption
- Reclock and accurate color reproduction
- NP-F DV battery plate for both Tx and Rx



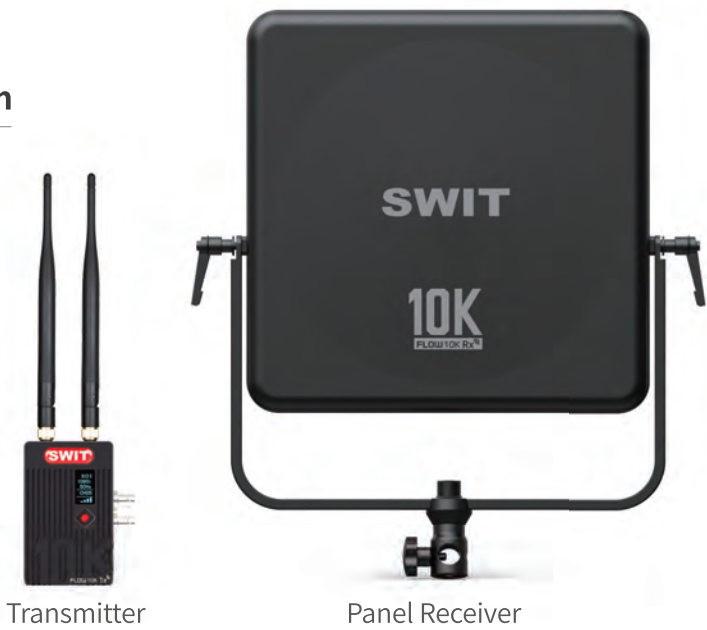
FLOW6500
SDI&HDMI 6500ft/2km Wireless System

- KUWI 5.1-5.9GHz Wireless Technology
- DFS comply, CE/FCC certificated
- 3GSDI & HDMI, with 3GSDI loop out
- Receiver built-in high gain panel antenna
- 6500ft/2km (Line-of-Sight) distance
- 2-ch SDI&HDMI audio transmission
- OLED info and channel switching
- Built-in freq. scanner, auto jump to a best channel
- Stable connection and stronger wall-cross
- Support 7 pairs working in one location
- Multicast - 1 transmitter to multiple receivers
- Wireless protocol & content double encryption
- Reclock and accurate color reproduction
- NP-F DV plate for Tx, V-mount plate for Rx



FLOW10K
SDI&HDMI 10000ft/3km Wireless System

- KUWI 5.1-5.9GHz Wireless Technology
- DFS comply, CE/FCC certificated
- 3GSDI & HDMI, with 3GSDI loop out
- Receiver built-in high gain panel antenna
- 10000ft/3km (Line-of-Sight) distance
- 2-ch SDI&HDMI audio transmission
- OLED info and channel switching
- Built-in freq. scanner, auto jump to a best channel
- Stable connection and stronger wall-cross
- Support 7 pairs working in one location
- Multicast - 1 transmitter to multiple receivers
- Wireless protocol & content double encryption
- Reclock and accurate color reproduction
- NP-F DV plate for Tx, V-mount plate for Rx



Specifications:

	Model	CURVE500+	FLOW500	FLOW2000	FLOW6500	FLOW10K
Input/Output	Transmitter	HDMI 1.3 in ×1 HDMI 1.3 loop ×1	3G/HD-SDI in ×1 3G/HD-SDI loop ×1 HDMI 1.3 in ×1	3G/HD-SDI in ×1 3G/HD-SDI loop ×1 HDMI 1.3 in ×1	3G/HD-SDI in ×1 3G/HD-SDI loop ×1 HDMI 1.3 in ×1	3G/HD-SDI in ×1 3G/HD-SDI loop ×1 HDMI 1.3 in ×1
	Receiver	HDMI 1.3 out ×2 USB capture out ×1	3G/HD-SDI out ×2 HDMI 1.3 out ×1	3G/HD-SDI out ×2 HDMI 1.3 out ×1	3G/HD-SDI out ×2	3G/HD-SDI out ×1
Wireless	Frequency	5.17GHz-5.69GHz & 5.75GHz-5.83GHz				
	RF Modules	OFDM 16QAM, 64QAM, QPSK, BPSK				
	RF Power	50mW	128mW	128mW	128mW	128mW
	Distance	500ft/150m	500ft/150m	2000ft/600m	6500ft/2000m	10000ft/3000m
General	Input voltage	Tx/Rx: DC 7-17V	Tx/Rx: DC 7-34V	Tx/Rx: DC 7-34V	Tx/Rx: DC 7-34V	Tx/Rx: DC 7-34V
	Power	Tx: 7.5W; Rx: 7W	Tx/Rx: 8W	Tx/Rx: 8W	Tx/Rx: 9W	Tx/Rx: 9W
	Dimension	Tx: 114×70×28mm Rx: 114×70×28mm	Tx: 66×107×25mm Rx: 107×66×25mm	Tx: 66×107×25mm Rx: 107×66×25mm	Tx: 66×107×25mm Rx: 190×190×46mm	Tx: 66×107×25mm Rx: 305×305×43mm
	Net weight	Tx: 180.8g; Rx: 181.2g	Tx: 236g; Rx: 245g	Tx: 236g; Rx: 245g	Tx: 286g; Rx: 1.5kg	Tx: 286g; Rx: 2.3kg

Introduction

The portable converter products are heavy duty designed, with unibody aluminium alloy housing, strong and protective for the connectors. Bottom screw threads and plates are provided for easy installation.



S-4600
SDI to HDMI

- 1 SDI input, 1 HDMI output,
- 1 SDI loop output
- Embed SDI audio to HDMI output
- SDI audio output via 3.5mm socket



S-4601
HDMI to SDI

- 1 HDMI input, 2 SDI outputs
- 1 analog audio (3.5mm) input
- Embed HDMI audio to SDI output
- Embed analog audio into SDI output



S-4604
SDI 1 to 4

- 1 SDI input, 4 SDI outputs
- SDI re-clocking and amplifier



S-4605
SDI to OPTICAL

- 1 SDI input, 1 OPTICAL output
- 1 SDI loop output
- Single-mode fiber, max 20km



S-4606
OPTICAL to SDI

- 1 OPTICAL input, 2 SDI outputs
- Single-mode fiber, max 20km



S-4607
SDI/OPTICAL Bi-directional

- Convert SDI to OPTICAL with SDI loop
- Convert OPTICAL to 2 SDI outputs
- Single-mode fiber, max 20km

Specifications:

Model	S-4600		S-4601	S-4604	S-4605	S-4606	S-4607
Input	3G/HD/SD-SDI ×1		HDMI ×1 3.5mm audio ×1	3G/HD/SD-SDI ×1	3G/HD/SD-SDI ×1	OPTICAL ×1	3G/HD/SD-SDI ×1 OPTICAL ×1
Output	HDMI ×1 SDI loop ×1 3.5mm audio ×1		3G/HD/SD-SDI ×2	3G/HD/SD-SDI ×4	OPTICAL ×1 SDI loop ×1	3G/HD/SD-SDI ×2	OPTICAL ×1 3G/HD/SD-SDI ×2 SDI loop ×1
Format	SDI	1080p (60 / 59.94 / 50) 1080i (60 / 59.94 / 50), 1080p (30 / 29.97 / 25 / 24 / 23.98) 1080psf (30 / 29.97 / 25 / 24 / 23.98) 720p (60 / 59.94 / 50) 480i (59.94) 576i (50)					
	HDMI	1080p (60 / 59.94 / 50), 1080i (60 / 59.94 / 50), 1080p (30 / 29.97 / 25 / 24 / 23.98), 720p (60 / 59.94 / 50), 480i, 576i			OPTICAL Wavelength Max SM fiber length	SMPTE 297-2006 1260-1580nm input, 1310nm output 20 kilometers	
Power consumption	≤3W		≤3W	≤2W	≤3W	≤3W	≤4W
Working voltage	DC 6-18V						
Working environment	Temperature: 0°C ~+70°C, Humidity:10%-90%						
Dimension	98×84×29 mm		98×84×29 mm	105×84×29 mm	98×84×29 mm	98×84×29 mm	98×84×29 mm
Net weight	200g		210g	240g	220g	220g	250g



S-4609
SDI Audio De-embedder

- 1 SDI input, 2 SDI loop outs
- De-embed 2-ch 6.35mm Analog audio outputs
- De-embed 2-ch AES/EBU audio output (1× BNC)
- Select any 2 channels from 8-ch SDI audio to de-embed



S-4610
SDI Audio Embedder

- 1 SDI input
- 2-ch 6.35mm Analog audio input
- 2-ch AES/EBU audio input (1× BNC)
- Embed audio to any 2 channels of SDI first 8-ch positions
- 2 SDI outputs with new embedded audio



S-4611
SDI to DVI

- 1 SDI input, 1 SDI loop output
- 1 DVI-D (18+1) output
- SDI audio output via 3.5mm socket



S-4612
DVI to SDI

- 1 DVI-D (18+1) input, 2 SDI output
- 1 analog audio (3.5mm) input
- Embed Analog audio into SDI output

Specifications:

Model	S-4609	S-4610	S-4611	S-4612
Input	3G/HD/SD-SDI ×1	3G/HD/SD-SDI ×1 AES/EBU audio ×1 Analog audio (6.35mm) ×2	3G/HD/SD-SDI×1	DVI-D ×1 3.5mm audio ×1
Output	SDI loop ×2 AES/EBU audio ×1 Analog audio (6.35mm) ×2	3G/HD/SD-SDI ×2	SDI loop ×1 DVI-D ×1 3.5mm audio ×1	3G/HD/SD-SDI×2
Format	SDI / DVI	1080p(60, 59.94, 50)		
		1080i (60, 59.94, 50) 1080p (30, 29.97, 25, 24, 23.98)		
		1080psf (30, 29.97, 25, 24, 23.98)		
		720p (60, 59.94, 50)		
		480i (59.94), 576i (50)		
Power consumption	≤3W	≤3W	≤3W	≤3W
Working voltage	DC 6-18V			
Working environment	Temperature: 0°C ~+70°C, Humidity:10%-90%			
Dimension	98×84×29 mm	98×84×29 mm	98×84×29 mm	98×84×29 mm
Net weight	235g	235g	209g	207g

Introduction

The B-mount battery interface is a new industry standard endorsed by ARRI and the wider industry because it makes mobile shooting easier and more efficient. The normal 28.8V high voltage matches with all ARRI cameras and lights, reduce current effectively.



HB-A290B 28.8V 290Wh

- 28.8V ARRI standard B-mount battery
- 290Wh/10.05Ah high capacity
- At least 250W/10A constant high load
- 100W/3A fast charging by PC-P461B charger
- D-tap 16V Regulated output×2
- USB-A 5V/2A output
- USB-C 60W input and output
- OLED power info and status display
- 1.2 meters drop-off proof
- LED flashlight to assist in mounting battery



28.8 V
B-mount

250 W
High Load

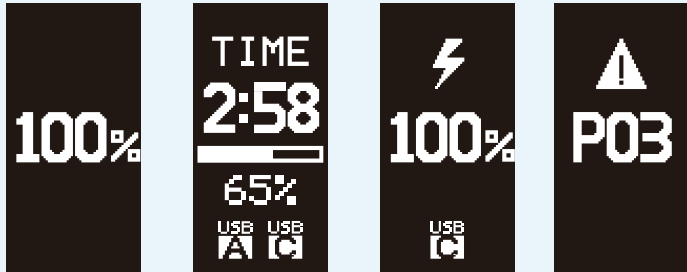
100 W
Fast Charge

60 W
USB-C

1.2 M
Drop-proof

OLED Power Info Display

HB-A290B battery provides an OLED screen to display battery status and power information, includes power percentage, remaining running time, USB-A / USB-C status, and protection warning code if any abnormal detected.



- Display power percentage when battery is free.
- Display remaining running time and power percentage when battery is discharging on any devices.
- Display power percentage and charging status when battery is on charging.
- Display battery protection codes if any abnormal detected. Refer the code to User Manual and take steps.

USB-C 60W In and Out

HB-A290B battery provides USB Type-C bi-directional 60W fast charging port. You can power any USB-C laptops by the battery, and you can also charge the battery by USB-C chargers.

USB-C Output (Max 60W): 5V/9V/12V/15V/20V(Max) ≡3A
BC1.2, PD2.0/3.0, QC2.0/3.0, FCP, SCP multiple protocols
USB-C Input (Max 60W): 15V/20V(Max) ≡3A, PD2.0/3.0



Introduction

The 420Wh, highest capacity V-mount battery that could be handheld!
14.4V normal voltage version provides the longest running time for ENG / Cine cameras and all kinds of devices;
28.8V high voltage version provides 500W/20A constant high load output specially for the high power Cine lights.



PB-C420S 14.4V 420Wh

- Highest capacity battery to hold by hand
- Standard V-mount interface
- At least 250W/20A high load
- 100W/6A fast charging by SWIT charger
- D-tap power socket×2
- SMBus power info for both SONY & RED
- Multiple protection circuit



250 W
High Load

100 W
Fast Charge



HB-C420S 28.8V 420Wh

- Highest capacity battery to hold by hand
- Standard V-mount interface
- Nominal 28.8V high voltage
- At least 500W/20A high load
- 100W/3A fast charging by SWIT PC-P461S charger
- Multiple protection circuit



28.8 V
V-mount

500 W
High Load

100 W
Fast Charge

* Please Note the HB-C420S is 28.8V (21.6-33.6V) voltage V-mount battery, DO NOT use it on the device that doesn't support up to 33.6V power input.

Introduction

The high power Cine cameras like ARRI ALEXA LF/65, require 19.5-34V high voltage input to reduce current. There are existing standard V-mount batteries of 26-28.8V output, while the pure high voltage battery will surely damage normal voltage V-mount cameras or other camera-top devices.

Now you will have a great solution for high voltage V-mount battery: SWIT Intelligent Bi-voltage Battery, can output both 11-16.8V normal voltage and 22-33.6V high voltage, with auto recognition and switching by the dedicated V-mount plate or by SWIT “Magic Sticker” on all 3rd party V-mount plates, compatible with Alexa LF/65, high voltage cine lights, and all other normal cameras and normal chargers, with no risk of misusing. (Patented)



250W
High Load

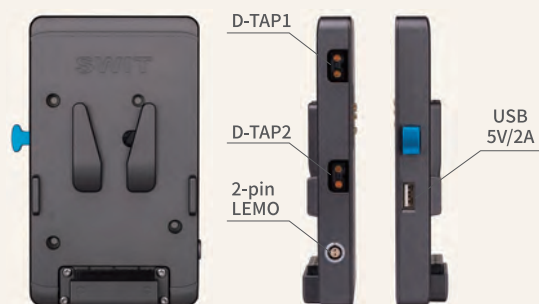
6A
Fast Charge

PB-H290S 290Wh

- ◆ 14.4V/28.8V Bi-voltage auto switch
- ◆ Standard V-mount connection
- ◆ Power 11-16.8V or 22-33.6V equipment
- ◆ Charge by normal 16.8V chargers
- ◆ At least 250W high load
- ◆ D-tap 11-16.8V normal voltage output
- ◆ 6A fast charging by SWIT charger
- ◆ 8-LED remaining time indicators
- ◆ 1.5m drop-off proof

2 ways to Active 22-33.6V output of PB-H Bi-voltage batteries

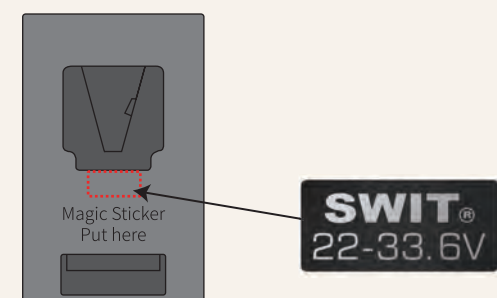
1 By ARRI Alexa dedicated plate KA-A20S



KA-A20S

- ◆ For ARRI ALEXA 65, LF, SXT install
- ◆ Auto active 22-33.6V output of PB-H battery
- ◆ 2x D-tap, 1x 2-pin LEMO 16V/6A power output
- ◆ 1x USB 5V/2A output
- ◆ 10A high load reliable power pins
- ◆ Aluminum CNC unibody housing

2 By “Magic Sticker” on 3rd party plates



Standard 3rd party plate

Magic Sticker

Besides ALEXA cameras, many Cine Lights are also designed with high voltage input, to reduce current effectively, and protect power pins and ensure the reliability. Attach the Magic Sticker on the particular position of any standard 3rd party V-mount plates, the PB-H290S will detect the Magic Sticker and automatically output 22-33.6V voltage.

Introduction

PB-R series camera batteries have innovative dual housings structure: the inner cell cage and outer anti-shock housing with rubber covers. This structure makes the battery quite strong, anti-shock, IP54 water & dust proof, protects the battery from drop-off accident, rain and severe environment, especially in the application on film sets.



Strong dual housings
1.5m drop-off proof
IP54 rain proof



IP54
Rainproof

200W
High Load

6A
Fast Charge

PB-R160A/S+ 160Wh

- ◆ 1.5m drop-off proof, IP54 rain proof
- ◆ At least 200W, 16A high load
- ◆ 6A fast charging by SWIT charger
- ◆ 8-LED remaining run time indicators
- ◆ SMBus power info for both SONY & RED
- ◆ D-tap power output socket

PB-R160A: Gold Mount

PB-R160S+: V-mount, IP54 rain proof



IP54
Rainproof

250W
High Load

6A
Fast Charge

PB-R290A/S+ 290Wh

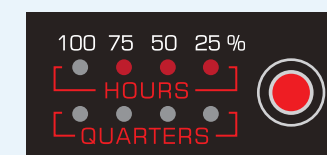
- ◆ 1.5m drop-off proof, IP54 rain proof
- ◆ At least 250W, 20A high load
- ◆ 6A fast charging by SWIT charger
- ◆ 8-LED remaining run time indicators
- ◆ SMBus power info for both SONY & RED
- ◆ D-tap power output socket

PB-R290A: Gold Mount

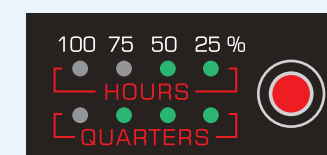
PB-R290S+: V-mount, IP54 rain proof

Power Info Display

The 8-LED power check indicators tell not only the remaining power percentage, but also the remaining running time on the equipment, accurate to 15 minutes. Meanwhile, the battery pack adopts SMBUS info system that can display remaining minutes in both SONY and RED camera viewfinder.



▲ 75% power left



▲ 2 hours 45 mins time left

When battery is free, press “Power Check” button, the upper 4 LEDs indicate remaining power percentage. When battery is under charging, the upper 4 LEDs flash and indicate remaining power percentage.

When the battery is working on camera or other devices, press “Power Check” button, The upper 4 LEDs indicate remaining working hours; And lower 4 LEDs indicate remaining working minutes.

IP54 water / dust proof

The dual housing structure featured 1.5 meters drop-off proof and V-mount version PB-R160S+ & PB-R290S+ featured IP54 water / dust proof. You can use the battery at any weather conditions.



Introduction

PB-S series camera batteries are compact designed, shorter than normal V/Gold mount batteries, and match perfectly with most of the Cine-cameras. The build-in OLED can display accurate power info during charging and discharging, and support viewfinder info display on both SONY and RED cameras. To make convenient connections, the PB-S batteries provide USB output socket and up to 4 D-tap sockets for camera-top devices.



D-tap
x2

USB-A
x1

150W
High Load

PB-S98A/S 98Wh

- ◆ Cine-style Square shape
- ◆ At least 150W, 12A load
- ◆ 2× D-tap output sockets
- ◆ 1× USB 5V/2A output sockets
- ◆ OLED display remaining run time
- ◆ SONY & RED SMBus power info

PB-S98A: Gold Mount
PB-S98S: V-mount



D-tap
x2

USB-A
x1

200W
High Load

PB-S146A/S 146Wh

- ◆ Cine-style Square shape
- ◆ At least 200W, 16A load
- ◆ 2× D-tap output sockets
- ◆ 1× USB 5V/2A output sockets
- ◆ OLED display remaining run time
- ◆ SONY & RED SMBus power info

PB-S146A: Gold Mount
PB-S146S: V-mount



D-tap
x4

USB-A
x1

200W
High Load

6A
Fast Charge

PB-S220A/S 220Wh

- ◆ Cine-style Square shape
- ◆ At least 200W, 16A load
- ◆ 4× D-tap output sockets
- ◆ 1× USB 5V/2A output sockets
- ◆ 6A fast charging by SWIT charger
- ◆ OLED display remaining run time
- ◆ SONY & RED SMBus power info

PB-S220A: Gold Mount
PB-S220S: V-mount

OLED Power info display

The OLED displays remaining power percentage, remaining working time, battery cycle times and abnormal protection info.



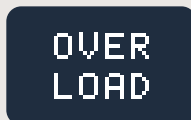
Display power percentage when the battery is free and display charging symbol during charging.



Display remaining running time when the battery is powering on camera or any devices. Press the power check button can switch to power percentage display.



Long press power check button for 5 seconds, it will display battery cycle times.



Display warning info “OVER LOAD”, “OVER HEAT”, “LOW TEMP” when the battery detected over charging, over load, short circuit, abnormal temperature, etc. Refer to User Manual to take steps.

Introduction

MINO-S140 is the smallest 140Wh V-mount battery you’ ve ever seen! Tiny size, pocket fit, but still not compromised on DC sockets - The battery provides bi-directional fast charging USB-C, which is 48W input and 65W output, so that you can power laptops via the MINO-S140 USB-C port, and also charge the MINO-S140 by USB-C chargers.



150W
High Load

65W
USB-C



MINO-S140 140Wh

- ◆ Tiny V-mount battery, Pocket fit
- ◆ 140Wh/9.7Ah high capacity
- ◆ At least 150W/12A constant load
- ◆ 1x D-tap output & charging input
- ◆ 1x USB-A 5V/2A output
- ◆ 1x USB-C 48W input & 65W output
- ◆ 4-step LED power indicator
- ◆ Display power info in both SONY & RED
- ◆ Wire-Free internal technic, stable and reliable

USB-C 65W Output for Laptops

You can power laptop via USB-C by MINO-S140 battery on the filmset. Supports 5V==3.25A, 9V==3.25A, 12V==3.25A, 15V==3.25A and Max 20V==3.25A; Multiple protocols includes BC1.2, PD2.0/3.0, QC2.0/3.0, FCP and SCP.



Compatible with Macbook Air/13, Macbook Pro 13/15/16, Huawei Matebook E/12/X13/XPRO, Thinkpad, HP, ASUS, Dell and almost all laptops with USB-C ports.

USB-C 48W Charging Input

The MINO-S140 battery can be charged by USB-C charger, supports PD 5V==2.4A, 9V==2.4A, 12V==2.4A, 15V==2.4A and Max 20V==2.4A, which means you can fully charge the 140Wh battery within 3.5 hours.



Introduction

The brick size V-mount batteries sometimes are too big and heavy for field shootings, especially the handheld stabilizers, focus puller monitor, portable LED panel, or mini size cine cameras.

PB-M series Pocket V-mount battery is a great solution!

It's only a DV battery size, with high capacity cells up to 98Wh, and without any compromises on the DC sockets.



PB-M45S 45Wh

150W
High Load

- Tiny V-mount battery, Pocket fit
- 45Wh/3.1Ah fly-friendly capacity
- At least 150W/12A constant load
- 1x D-tap output & charging input
- 1x USB 5V/2A output
- 5-step LED power indicator
- Display power info in both SONY & RED
- Wire-Free internal technic, stable and reliable



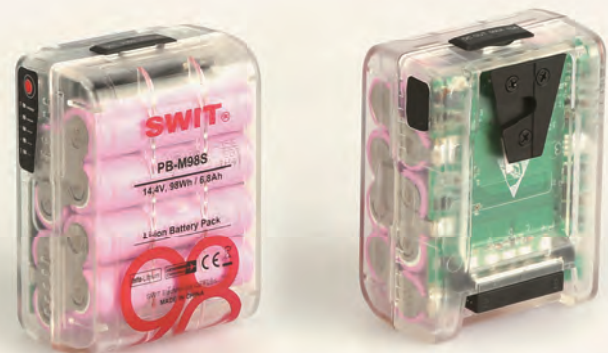
PB-M98S 98Wh

150W
High Load

- Tiny V-mount battery, Pocket fit
- 98Wh/6.8Ah fly-friendly capacity
- At least 150W/12A constant load
- 1x D-tap output & charging input
- 1x USB 5V/2A output
- 5-step LED power indicator
- Display power info in both SONY & RED
- Wire-Free internal technic, stable and reliable

Wire-free Internal Tech

The Pocket V-mount battery PB-M45S, PB-M98S and MINO-S140 have innovative "Wire-Free" internal technic. All the cells, D-tap, USB, power indicator devices are directly soldered onto PCB, no connecting wires, to reduce internal resistance effectively, and make the circuit stable, safe, and reliable.



Introduction

A dual pocket V-mount batteries hotswapable uninterrupted power solution.

As an extender plate for SWIT Pocket V-mount Batteries, the plate can install 2x PB-M series batteries, equivalent to a standard large capacity V-mount battery size, and can draw the 2 batteries one-by-one as hot swap mode, or use together as high load mode, not restricted to board airplane by handheld luggage.



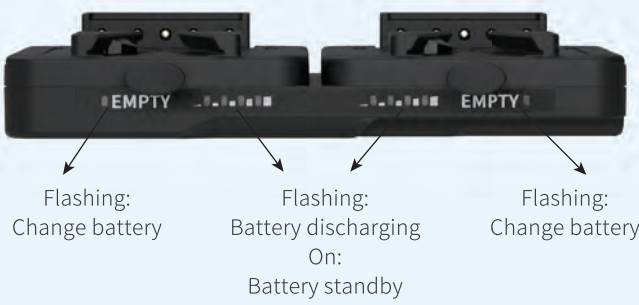
KA-M20S
Pocket V-mount Hotswap Plate

- Fit 2x PB-M Pocket V-mount Batteries
- Low power device: Hot swap mode
- High power device: High load mode
- Power indicators and hot swap indicators
- SONY&RED power info display
- Provide 2x D-tap sockets
- Slim and light weight, balanced install



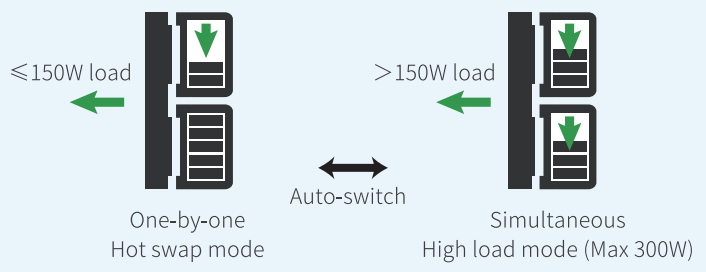
Power Status LED Indicators

There' re independent power indicators for both batteries. The flashing of top power LED indicates this battery is discharging, and the flashing of EMPTY LED means this battery is empty and need to change in time.



Hot Swap / High Load mode Auto-switching

If the power load is less than 150W, KA-M20S will be Hot-swap: use 2 batteries one-by-one, and change the standby battery at any time. If the Power load is over 150W, KA-M20S will be High load mode: use 2 batteries together, not allowed to change battery. The hot swap mode and high load mode are automatically switched according to current power load.



Classic Style



150W
High Load

S-8082A/S 95Wh



150W
High Load

S-8110A/S 146Wh



200W
High Load
6A
Fast Charge

S-8113A/S 160Wh



200W
High Load
6A
Fast Charge

S-8180A/S 220Wh



250W
High Load
6A
Fast Charge
NEW
Perfect Quality

S-8183A/S+ 270Wh

- ♦ Constant high load output
- ♦ 6A fast charge (≥160Wh)
- ♦ D-tap power output socket
- ♦ 4-step LED power indicator
- ♦ Multiple circuit protections

A: Gold-mount
S: V-mount

Saparable IATA



S-8192A/S 92+92Wh

- ♦ Large capacity battery of separable design
- ♦ Divided into 2x 92Wh parts to board airplane
- ♦ At least 100W, 8A output
- ♦ D-tap DC output socket
- ♦ 4-level LED power indicator

S-8192A: Gold Mount
S-8192S: V-mount

NP-1 style



D-tap
x2

S-8073N 73Wh

- ♦ NP-1 style battery
- ♦ 2× D-tap DC output sockets
- ♦ At least 66W, 5.5A power load
- ♦ 4-level LED power indicator
- ♦ Multiple circuit protections

Specifications:

Model	Battery type	Nominal voltage	Capacity	Constant Load	Dimension	Weight
HB-A290B	B-mount	28.8V	290Wh (10.1Ah)	250W/10A	144×100×70mm	1.52kg
HB-C420S	V-mount	28.8V	420Wh (14.6Ah)	500W/20A	155×101×80mm	2.07kg
PB-C420S	V-mount	14.4V	420Wh (29.1Ah)	250W/20A	155×101×80mm	2.07kg
PB-H290S	V-mount	14.4V/28.8V	290Wh (20.1Ah/10.1Ah)	14.4V: 250W/20A 28.8V: 250W/10A	162×101×69mm	1.58kg
PB-R160A	Gold mount	14.4V	160Wh (11.1Ah)	200W/16A	162×101×59mm	1.08kg
PB-R160S+	V-mount	14.4V	160Wh (11.1Ah)	200W/16A	162×101×53mm	1.08kg
PB-R290A	Gold mount	14.4V	290Wh (20.1Ah)	250W/20A	162×101×75mm	1.51kg
PB-R290S+	V-mount	14.4V	290Wh (20.1Ah)	250W/20A	162×101×69mm	1.51kg
PB-S98A	Gold mount	14.4V	98Wh (6.8Ah)	150W/12A	121×95×62mm	0.8kg
PB-S98S	V-mount	14.4V	98Wh (6.8Ah)	150W/12A	121×95×59mm	0.8kg
PB-S146A	Gold mount	14.4V	146Wh (10.1Ah)	200W/16A	121×95×62mm	0.88kg
PB-S146S	V-mount	14.4V	146Wh (10.1Ah)	200W/16A	121×95×59mm	0.88kg
PB-S220A	Gold mount	14.4V	220Wh (15.3Ah)	200W/16A	121×95×99mm	1.44kg
PB-S220S	V-mount	14.4V	220Wh (15.3Ah)	200W/16A	121×95×96mm	1.44kg
MINO-S140	V-mount	14.4V	140Wh (9.7Ah)	150W/12A	105×79×55.5mm	0.71kg
PB-M45S	V-mount	14.4V	45Wh (3.1Ah)	150W/12A	100×74×34mm	0.31kg
PB-M98S	V-mount	14.4V	98Wh (6.8Ah)	150W/12A	100×74×48mm	0.51kg
S-8082A	Gold mount	14.4V	95Wh (6.6Ah)	150W/12A	134×88×54mm	0.71kg
S-8082S	V-mount	14.4V	95Wh (6.6Ah)	150W/12A	134×88×52mm	0.71kg
S-8110A	Gold mount	14.4V	146Wh (10.2Ah)	150W/12A	165×90×53mm	0.94kg
S-8110S	V-mount	14.4V	146Wh (10.2Ah)	150W/12A	165×90×51mm	0.94kg
S-8113A	Gold mount	14.4V	160Wh (11.1Ah)	200W/16A	165×90×53mm	0.98kg
S-8113S	V-mount	14.4V	160Wh (11.1Ah)	200W/16A	165×90×51mm	0.98kg
S-8180A	Gold mount	14.4V	220Wh (15.3Ah)	200W/16A	165×90×68mm	1.28kg
S-8180S	V-mount	14.4V	220Wh (15.3Ah)	200W/16A	165×90×66mm	1.28kg
S-8183A+	Gold mount	14.4V	270Wh (18.75Ah)	250W/20A	165×90×68mm	1.37kg
S-8183S+	V-mount	14.4V	270Wh (18.75Ah)	250W/20A	165×90×66mm	1.37kg
S-8192A	Gold mount	14.4V	92+92Wh (12.8Ah)	100W/8A	168×101×65mm	1.27kg
S-8192S	V-mount	14.4V	92+92Wh (12.8Ah)	100W/8A	168×101×60mm	1.27kg
S-8073N	NP-1	14.4V	73Wh (5.1Ah)	66W/5.5A	185×72×25mm	0.45kg

SONY



LB-SU90C 90Wh

- ◆ SONY BP-U series compatible battery
- ◆ For PXW-Z280, X280, FS5, FS7, FX6, FX9 etc
- ◆ Display remaining power in viewfinder
- ◆ D-tap socket output & charging input
- ◆ USB-C 45W input & 45W output
- ◆ 4-level LED power indicator



LB-SU98 98Wh

- ◆ SONY BP-U series compatible battery
- ◆ For PXW-Z280, X280, FS5, FS7, FX6, FX9 etc
- ◆ Display remaining power in viewfinder
- ◆ D-tap socket output & charging input
- ◆ USB-A 5V/2A output
- ◆ 4-level LED power indicator



LB-SU75 75Wh



LB-SF65C 65Wh

- ◆ SONY NP-F compatible
- ◆ D-tap 12V(Reg.) 20W output
- ◆ USB-C 25W input & output
- ◆ 4-level LED power indicator



S-8975 75Wh

- ◆ SONY NP-F compatible
- ◆ Display remaining power in viewfinder
- ◆ 7.2V pole DC output socket
- ◆ 4-level LED power indicator



S-8972 47Wh



S-8970 47Wh

- ◆ SONY NP-F compatible
- ◆ Display remaining power in viewfinder



S-8770 31Wh

Panasonic



LB-PD65C 65Wh

- ◆ Panasonic VBD/VBR compatible
- ◆ D-tap 12V(Reg.) 20W output
- ◆ USB-C 25W input & output
- ◆ 4-level LED power indicator



S-8D98 70Wh

- ◆ Panasonic VBD/VBR compatible
- ◆ 7.2V pole DC output socket
- ◆ USB-A 5V/1A output
- ◆ 4-level LED power indicator



S-8D58 43Wh



S-8D62 47Wh

- ◆ Panasonic CGA compatible
- ◆ 7.2V pole DC output socket
- ◆ 4-level LED power indicator

Canon



LB-CA90C 90Wh

- ◆ Canon BP-A series compatible
- ◆ For EOS C300M2, C200, C500M2 etc
- ◆ D-tap socket output & charging input
- ◆ USB-C 45W input & 45W output
- ◆ 4-level LED power indicator



S-8845 47Wh

- ◆ Canon BP-9 series compatible
- ◆ Compatible with RED KOMODO
- ◆ 7.2V pole DC output socket
- ◆ 4-level LED power indicator



S-8PE6 10Wh

- ◆ Canon LP-E6 compatible
- ◆ Display power info in DSLR

JVC



S-8i50 47Wh

- ◆ SSL-JVC50 battery compatible
- ◆ Display remaining power in viewfinder
- ◆ 7.2V pole DC output socket
- ◆ 5V/1A USB-A type power output
- ◆ 4-level LED power indicator



S-8823 18Wh

- ◆ JVC BN-VF823 battery compatible
- ◆ Display remaining power in viewfinder
- ◆ 7.2V pole DC output socket
- ◆ 4-level LED power indicator

Specifications:

Model	Compatible camera	Comparable battery	Voltage	Capacity	Load	DC/USB	Dimension	Weight
LB-SU90C	SONY PXW-FS5 / FS7 / FX6 / FX9 SONY PXW-Z280 / X280	SONY BP-U30/U60	14.4V	90Wh / 6.2Ah	70W, 6A	D-tap, USB-C 45W	70×42×96mm	0.462kg
LB-SU98				98Wh / 6.8Ah	70W, 6A	D-tap, USB-A	70×42×96mm	0.464kg
LB-SU75				75Wh / 5.2Ah	50W, 4A	D-tap, USB-A	70×42×96mm	0.43kg
LB-SF65C	Gears with SONY NP-F plates	SONY NP-F970/770	7.2V	65Wh / 9Ah	30W, 4A	D-tap, USB-C 25W	71×39×76mm	0.345kg
S-8975	SONY PXW-Z150, HXR-NX5, NEX-FS100 SONY HVR-V1/Z1/Z7, HVR-HD1000E SONY DSR-PD170/175/190			75Wh / 10.4Ah	30W, 4A	Pole-tap	71×39×70mm	0.33kg
S-8972				47Wh / 6.6Ah	30W, 4A	Pole-tap	71×39×70mm	0.3kg
S-8970				47Wh / 6.6Ah	30W, 4A	—	71×39×60mm	0.28kg
S-8770				31Wh / 4.4Ah	30W, 4A	—	71×39×40mm	0.19kg
LB-PD65C	Panasonic AU-EVA1, AG-DVX200	Panasonic VW-VBD58 Panasonic AG-VBR59/89	7.2V	65Wh / 9Ah	30W, 4A	D-tap, USB-C 25W	41×70×83mm	0.356kg
S-8D98	Panasonic AJ-PX270/UPX360, AG-CX350			70Wh / 9.8Ah	30W, 4A	Pole-tap, USB-A	41×70×83mm	0.337kg
S-8D58	Panasonic AG-UX90 / 180, AG-AC30			43Wh / 6Ah	30W, 4A	Pole-tap, USB-A	41×70×64mm	0.235kg
S-8D62	Panasonic AG-DVX100, AG-HVX200 Panasonic DVC180A, AG-HPX170	Panasonic CGA-D54S	7.2V	47Wh / 6.6Ah	30W, 4A	Pole-tap	66×37×82mm	0.3kg
LB-CA90C	Canon EOS-C200/C300M2/C500M2	Canon BP-A30/A60	14.4V	90Wh / 6.2Ah	50W, 4A	D-tap, USB-C 45W	70×42×96mm	0.46kg
S-8845	Canon EOS-C100/C100M2/C300/C500 Canon XF100/105, RED KOMODO	Canon BP-955	7.2V	47Wh / 6.6Ah	30W, 4A	Pole-tap	71×38×70mm	0.3kg
S-8PE6	Canon EOS 5D2/3/4, 6D/2, 7D/2	Canon LP-E6	7.2V	10Wh / 1.5Ah	25W, 3.5A	—	57×39×22mm	0.072kg
S-8i50	JVC GY-HM600/650, GY-LS300	SSL-JVC50	7.2V	47Wh / 6.6Ah	40W, 5.5A	Pole-tap, USB-A	76×70×43mm	0.313kg
S-8823	JVC GY-HM100/101	JVC BN-VF823	7.2V	18Wh / 2.5Ah	15W, 2A	Pole-tap	53×32×72mm	0.13kg



KA-S30S

V-mount to V-mount Hot Swap Plate

- ♦ 14.4V 43Wh battery cells inside
- ♦ 200W constant load, at least 2min run time
- ♦ 120 seconds countdown display
- ♦ D-tapx2, 2-pin LEMO, USB-A output
- ♦ 12-16.8V 8-pin LEMO input for power station hotswap
- ♦ SONY & RED digital power info
- ♦ Aluminum CNC unibody housing
- ♦ Provide 15mm rod clamp to install on rig

KA-A30B

ARRI ALEXA B-mount Hot Swap Plate

- ♦ Dedicated for ARRI Alexa SXT/LF/65 install
- ♦ 32Wh/3Ah battery cells inside
- ♦ B-mount battery 24-33.6V attach
- ♦ 24-33.6V output to Alexa cameras
- ♦ 200W constant load, at least 2min run time
- ♦ 120 seconds countdown display
- ♦ D-tap Reg.14V x2, 2-pin LEMO Reg.14V x1, USB-A output
- ♦ 24-33.6V 8-pin LEMO input for power station hotswap
- ♦ Aluminum CNC unibody housing

KA-R30S

ARRI ALEXA MINI/MINI LF V-mount Hot Swap Plate

- ♦ 14.4V 43Wh battery cells inside
- ♦ 8-pin LEMO output for ALEXA MINI/MINI LF
- ♦ 200W constant load, at least 2min run time
- ♦ 120 seconds countdown display
- ♦ D-tapx2, 2-pin LEMO, USB-A output
- ♦ 12-16.8V 8-pin LEMO input for power station hotswap
- ♦ Aluminum CNC unibody housing
- ♦ ARRI support system RAB-1 Clamp 2 (K2.0023406) fit
- ♦ Provide 15mm rod clamp to install on rig

KA-R31S

ARRI ALEXA MINI/MINI LF V-mount Hot Swap Plate with SDI Isolater

- ♦ 14.4V 43Wh battery cells inside
- ♦ 8-pin LEMO output for ALEXA MINI/MINI LF
- ♦ 200W constant load, at least 2min run time
- ♦ 120 seconds countdown display
- ♦ 3GSDI 1-in 2-out with SDI isolater
- ♦ D-tapx2, 2-pin LEMO, USB-A output
- ♦ 12-16.8V 8-pin LEMO input for power station hotswap
- ♦ Aluminum CNC unibody housing
- ♦ ARRI support system RAB-1 Clamp 2 (K2.0023406) fit
- ♦ Provide 15mm rod clamp to install on rig

KA-R30B

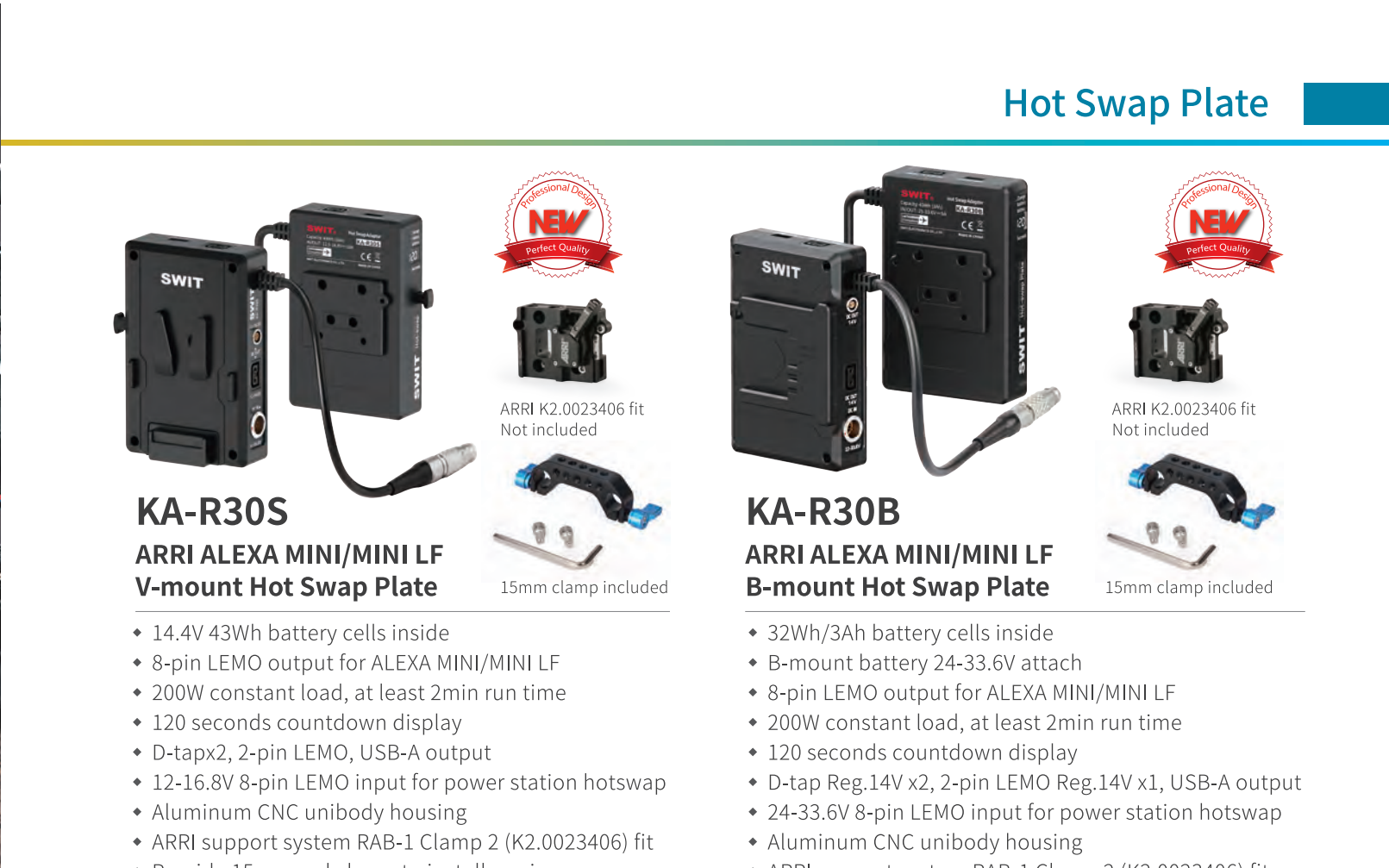
ARRI ALEXA MINI/MINI LF B-mount Hot Swap Plate

- ♦ 32Wh/3Ah battery cells inside
- ♦ B-mount battery 24-33.6V attach
- ♦ 8-pin LEMO output for ALEXA MINI/MINI LF
- ♦ 200W constant load, at least 2min run time
- ♦ 120 seconds countdown display
- ♦ D-tap Reg.14V x2, 2-pin LEMO Reg.14V x1, USB-A output
- ♦ 24-33.6V 8-pin LEMO input for power station hotswap
- ♦ Aluminum CNC unibody housing
- ♦ ARRI support system RAB-1 Clamp 2 (K2.0023406) fit
- ♦ Provide 15mm rod clamp to install on rig

KA-R31B

ARRI ALEXA MINI/MINI LF B-mount Hot Swap Plate with SDI Isolater

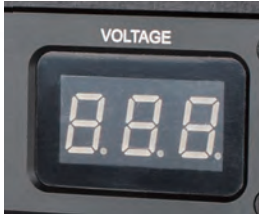
- ♦ 32Wh/3Ah battery cells inside
- ♦ B-mount battery 24-33.6V attach
- ♦ 8-pin LEMO output for ALEXA MINI/MINI LF
- ♦ 200W constant load, at least 2min run time
- ♦ 120 seconds countdown display
- ♦ 3GSDI 1-in 2-out with SDI isolater
- ♦ D-tap Reg.14V x2, 2-pin LEMO Reg.14V x1, USB-A output
- ♦ 24-33.6V 8-pin LEMO input for power station hotswap
- ♦ Aluminum CNC unibody housing
- ♦ ARRI support system RAB-1 Clamp 2 (K2.0023406) fit
- ♦ Provide 15mm rod clamp to install on rig



S-4010/S-4020/S-4030/S-4040
4-Battery Power Station Box

- ♦ Install 4x V-mount batteries
- ♦ 2x XLR DC output (14.4V / 28.8V / 24V / 48V option)
- ♦ Real time output voltage LED display
- ♦ Low battery warning
- ♦ Charging without take out batteries
- ♦ Intelligent protective circuit design
- ♦ PP + Fiber glass case, strong and durable



			
PP + Fiber glass case	Install 4× V-mount batteries	Inside charging (5A)	Voltage display / Alert

Output Description

	S-4010 14.4V + 14.4V Dual 14.4V simultaneous output (Non-regulated)	4-pin XLR 11-16.8V DC output x2 Max Load: 15A/180W per channel 2 channels output simultaneously
	S-4020 14.4V / 28.8V 14.4V/28.8V switching output (Non-regulated)	4-pin XLR 11-16.8V DC output x1 Max Load: 15A/180W 3-pin XLR 22-33.6V DC output x1 Max Load: 15A/360W 2 channels switching output
	S-4030 28.8V + 28.8V Dual 28.8V simultaneous output (Non-regulated)	3-pin XLR 22-33.6V DC output x2 Max Load: 15A/360W in total 2 channels output simultaneously
	S-4040 24V / 48V 24V / 48V switching output (Regulated)	4-pin XLR 24V regulated DC output x1 Max Load: 10A/240W 3-pin XLR 48V regulated DC output x1 Max Load: 10A/480W 2 channels switching output

TD-R210A/S
2-Battery Light Stand Power Adaptor

- ♦ Install 2x V-mount/Gold mount batteries
- ♦ 4-pin Regulated 24V out, Max 240W
- ♦ 3-pin Regulated 48V out, Max 500W
- ♦ 500W load by SWIT PB-H Bi-voltage batteries
- ♦ For Orbiter, Skypanel S60/S120 100% output
- ♦ Neutrik XLR high load connectors
- ♦ 25-45mm light stand balanced install



TD-R210A: Gold mount
TD-R210S: V-mount

			
Install 2x V/Gold mount batteries	Light stand mounting	Gravity balance	Max 48V 500W load

Output Description



Battery type	Output sockets	Output voltage	Max load
SWIT PB-H 14.4V/28.8V Bi-voltage batteries x2	3-pin XLR (Neutrik)	48V regulated	500W
	4-pin XLR (Neutrik)	24V regulated	240W
Normal 14.4V batteries x2	3-pin XLR (Neutrik)	48V regulated	240W
	4-pin XLR (Neutrik)	24V regulated	240W

Light Fixture	Skypanel S30	Skypanel S60/S120	Orbiter
Power consumption	Max 220W	Max 450W	Max 500W
DC-IN (100% light)	3-pin XLR 48V	3-pin XLR 48V	3-pin XLR 48V
Use TD-R210S + 2x PB-H290S(290Wh) Bi-voltage Batteries	48V/500W, 100% light output At least 2.6 hours	48V/500W, 100% light output At least 1.3 hours	48V/500W, 100% light output At least 1.2 hours



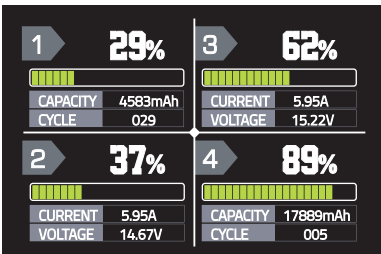
PC-P461A: for Gold Mount batteries
PC-P461S: for V-Mount batteries
PC-P461B: for B-Mount batteries

PC-P461A/S/B
4-ch Simultaneous 16.8V & 33.6V
100W Super Fast Charger



- ◆ 4-ch simultaneous charging
- ◆ Charge both 14.4V and 28.8V batteries
- ◆ 100W/6A fast charging for SWIT 14.4V and ≥ 160 Wh batteries
- ◆ 100W/3A fast charging for SWIT 28.8V and ≥ 160 Wh batteries
- ◆ 50W/3A charging for other batteries
- ◆ 3.5-inch color LCD info display
- ◆ Top large charging indicators

Power	Max 450W
Input	AC 100V-240V, 50/60Hz
Charging output	DC16.8V, 6A×4 (SWIT 14.4V & ≥ 160 Wh batteries)
	DC33.6V, 3A×4 (SWIT 28.8V & ≥ 160 Wh batteries) DC16.8V, 3A×4 (Other batteries)
Dimension	330×153×162mm
Weight	2.43kg



Color LCD display:
Power percentage, Charging current,
Voltage, Capacity*, Cycle times*,
Charging abnormal alert.
(* SMBUS info battery only)



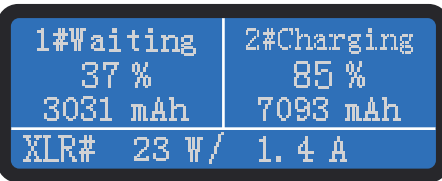
S-3812A: for Gold Mount batteries
S-3812S: for V-Mount batteries

S-3812A/S
2-ch Simultaneous 6A Super Fast Charger

- ◆ 2-ch simultaneous charging
- ◆ Auto recognize battery and assign charging current
- ◆ 6A fast charging for SWIT ≥ 160 Wh batteries
- ◆ 3A charging for other batteries
- ◆ AC to 4-pin XLR 12A/200W adapting output
- ◆ Battery to 4-pin XLR 12A/200W adapting output
- ◆ LCD display Charging/Adapting info display

Power	Max 260W
Input	AC 100V-240V, 50/60Hz
Charging output	DC16.8V, 6A×2 (SWIT ≥ 160 Wh batteries)
	DC16.8V, 3A×2 (Other batteries)
Adapting output	DC16.8V, Max load 12A / 200W
Dimension	272×246×97mm

LCD display:
Percentage / Capacity* / Voltage / Current / Cycles*
Remaining time to fully charged / discharged*
Adapting output Status / Power / Current
(* SMBUS info battery only)



PC-P430A: for Gold Mount batteries
PC-P430S: for V-Mount batteries

PC-P430A/S
4-ch Simultaneous 3A Fast Charger

- ◆ 4-ch simultaneous charging
- ◆ 3A fast charging current per channel
- ◆ 2-ch 4-pin XLR simultaneous DC output
- ◆ LED charging indicators

Power	Max 276W
Input	AC 100V-240V, 50/60Hz
Charging output	DC16.8V, 3A×4
Adapting output	DC15V, 6A×2
Dimension	285×144×173mm
Weight	3.27kg



S-3822A: for Gold Mount batteries
S-3822S: for V-Mount batteries

S-3822A/S
2-ch Simultaneous 3A Fast Charger

- ◆ 2-ch simultaneous charging
- ◆ 3A fast charging current per channel
- ◆ 1-ch 4-pin XLR DC output
- ◆ LED charging indicators

Input	AC 100V-240V, 50/60Hz
Charging output	DC16.8V, 3A×2
Adapting output	DC15V, 6A
Dimension	228×140×86mm
Weight	1kg



SC-302A: for Gold Mount batteries
SC-302S: for V-Mount batteries

SC-302A/S
2-ch Sequential Charger

- ◆ 2-ch sequential charging
- ◆ 1.9A charging current
- ◆ LED charging indicators

Input	AC 100V-240V, 50/60Hz
Charging output	DC14V-20V, 1.9A
Dimension	228×140×86mm
Weight	0.85kg

LC-D421
4-ch Simultaneous Multi-type DV Charger

- ◆ 4-ch simultaneous charging
- ◆ 2A fast charging current per channel
- ◆ Snap-on exchangeable DV battery plates
- ◆ Mixed installation of different DV plates

Input	Charging output	Dimension	Weight
AC 100V-240V, 50/60Hz	16.8V/2A×3 or 1.5A×4; 8.4V/1A×4 or 2A×4	220×125×69.3mm	0.706kg



Optional exchangeable plates

Plate Model	Compatible Batteries
KA-C10U	SWIT LB-SU90C/SU75/SU98, SONY BP-U30/60
KA-C10F	SWIT LB-SF65C/S-8975/8972/8970/8770, SONY NP-F970/770
KA-C10D	SWIT LB-PD65C/S-8D98/8D58/8D62, Panasonic VBR59/VBD58/D54
KA-C10i	SWIT S-8i50, SSL-JVC75/JVC50
KA-C10V	SWIT S-8823, JVC BN-VF823
KA-C10C	SWIT S-8845, Canon BP-945/955/970G
KA-C10E	SWIT S-8PE6, Canon LP-E6



KA-C10
U/F/D/i/V/C/E
types option

S-3602U
2-ch Intelligent DV Charger/Adaptor

- ◆ Charge 2 batteries sequentially to 75% capacity, and then charge both batteries to full simultaneously
- ◆ 1-channel pole DC adapting

S-3602U: for LB-SU90C/SU75/SU98, SONY BP-U60/U30

Input	Charging output	Adapting output	Dimension	Weight
AC 100V-240V, 50/60Hz	DC 16.8V, 1.9A	DC 12V, 1.9A	136×110×53mm	0.36kg



S-3602F/D/C/ i / V
2-ch Simultaneous DV Charger/Adaptor

- ◆ 2-channel simultaneous charging
- ◆ 2-channel simultaneous pole DC adapting

S-3602F: for LB-SF65C/S-8975/S-8972/S-8970/S-8770, SONY NP-F970/770
S-3602D: for LB-PD65C/S-8D98/S-8D58/S-8D62, Panasonic VBD58/VBR59/D54
S-3602C: for S-8845, Canon BP-945/955/970G
S-3602i: for S-8i50, SSL-JVC50/75
S-3602V: for S-8823, JVC BN-VF823



Input	Charging output	Adapting output	Dimension	Weight
AC 100V-240V, 50/60Hz	DC 7-8.4V, 1.8A×2	DC 8.4V, 3.5A	136×110×47mm	0.36kg

PC-U130A/S/B/B2
Portable single channel Fast Charger

- ◆ Ultra portable single channel charger
- ◆ 3A fast charging
- ◆ Directly connect to the pins of battery

PC-U130A: Charge via Gold mount pins
PC-U130S: Charge via V-mount pins
PC-U130B: Charge via D-tap socket
PC-U130B2: Dual D-tap heads (Sequential)



Input	Output	Dimension	Weight
AC 100V-240V, 50/60Hz	DC 14V-16.8V, 3A	110×50×32mm	0.26kg

Charging time chart of SWIT batteries & chargers (for reference)

Charger	CH	PB-M45S 45Wh	PB-M98S 98Wh	MINO-S140 140Wh	PB-S98A/S 98Wh	PB-S146A/S 146Wh	PB-S220A/S 220Wh	PB-R160S+ 160Wh	PB-R290S+ 290Wh	PB-H290S 290Wh
PC-P461A/S	6A/3A×4	1h 30m	2h 45m	3h 30m	2h 45m	3h 45m	3h 20m	2h 30m	3h 50m	3h 50m
S-3812A/S	6A/3A×2	1h 30m	2h 45m	3h 30m	2h 45m	3h 45m	3h 20m	2h 30m	3h 50m	3h 50m
PC-P430A/S	3A×4	1h 30m	2h 45m	3h 30m	2h 45m	3h 45m	5h 45m	4h 15m	7h 15m	7h 15m
S-3822A/S	3A×2	1h 30m	2h 45m	3h 30m	2h 45m	3h 45m	5h 45m	4h 15m	7h 15m	7h 15m
SC-302A/S	1.9A	2h	3h 45m	5h 10m	3h 45m	5h 30m	8h 15m	6h	10h 30m	10h 30m
PC-U130A/S/B/B2	3A	1h 30m	2h 45m	3h 30m	2h 45m	3h 45m	5h 45m	4h 15m	7h 15m	7h 15m

Charger	CH	HB-A290B 290Wh	HB-C420S 420Wh	PB-C420S 420Wh	S-8082A/S 95Wh	S-8110A/S 146Wh	S-8113A/S 160Wh	S-8180A/S 220Wh	S-8183A/S+ 270Wh	S-8192A/S 92+92Wh
PC-P461A/S	6A/3A×4	—	5h 20m	5h 20m	2h 45m	3h 45m	2h 30m	3h 20m	3h 50m	4h 50m
PC-P461B	3A×4	3h 50m	—	—	—	—	—	—	—	—
S-3812A/S	6A/3A×2	—	—	5h 20m	2h 45m	3h 45m	2h 30m	3h 20m	3h 50m	4h 50m
PC-P430A/S	3A×4	—	—	10h 10m	2h 45m	3h 45m	4h 15m	5h 45m	6h 30m	4h 50m
S-3822A/S	3A×2	—	—	10h 10m	2h 45m	3h 45m	4h 15m	5h 45m	6h 30m	4h 50m
SC-302A/S	1.9A	—	—	15h	3h 45m	5h 30m	6h	8h 15m	9h 30m	7h
PC-U130A/S/B/B2	3A	—	—	10h 10m	2h 45m	3h 45m	4h 15m	5h 45m	6h 30m	4h 50m

Charger	CH	LB-SU90C 90Wh	LB-SU75 75Wh	LB-SU98 98Wh	LB-SF65C 65Wh	S-8975 75Wh	S-8972 47Wh	S-8970 47Wh	S-8770 31Wh	S-8073N 73Wh
LC-D421	2A×4	3h 30m	3h	3h 45m	5h 10m	5h 30m	3h 45m	3h 45m	2h 45m	—
S-3602U	1.9A	3h 45m	3h	4h	—	—	—	—	—	—
S-3602F	2A×2	—	—	—	5h 10m	5h 30m	3h 45m	3h 45m	2h 45m	—
PC-U130B/B2	3A	2h 40m	2h 15m	2h 45m	—	—	—	—	—	2h 15m

Charger	CH	LB-PD65C 65Wh	S-8D98 70Wh	S-8D58 43Wh	S-8D62 47Wh	S-8845 47Wh	S-8i50 47Wh	S-8823 18Wh	S-8PE6 10Wh	
LC-D421	2A×4	5h 10m	5h 25m	3h 25m	3h 45m	3h 45m	3h 45m	1h 45m	1h 10m	
S-3602C/V/ i	2A×2	—	—	—	—	3h 45m	3h 45m	1h 45m	—	
S-3602D	1.2A×2	8h 15m	8h 40m	5h 20m	5h 50m	—	—	—	—	
PC-U130B/B2	3A	—	—	—	—	—	—	—	—	



S-2060
30W Bi-color COB On-camera LED Light

- ◆ COB LED Single shadow, soft, glareless
- ◆ CRI Ra 96, TLCI 99
- ◆ 30W, 1500Lux @ 1 meter, dimmable
- ◆ Fresnel lens, raise to 5000Lux@1m
- ◆ 2800K-6000K continuously adjustable
- ◆ 6-17V DC cable input
- ◆ Glass Fiber strong and durable housing
- ◆ Screw and cold shoe mount



S-2041
23W COB On-camera LED Light

- ◆ COB LED Single shadow, soft, glareless
- ◆ 23W, 1800Lux @ 1 meter, dimmable
- ◆ 5000K color temperature, with 5600K&3200K filters
- ◆ 6-17V DC cable input
- ◆ S-7004 series interchangeable multi-type DV plates
- ◆ Screw and cold shoe mount



S-2070
13W COB On-camera LED Light

- ◆ COB LED Single shadow, soft, glareless
- ◆ Compact size for DV camcorders
- ◆ 13W, 1100Lux @ 1 meter, dimmable
- ◆ 5000K color temperature, with 5600K&3200K filters
- ◆ 6-17V DC cable input
- ◆ S-7004 series interchangeable multi-type DV plates
- ◆ Glass Fiber strong and durable housing
- ◆ Screw and cold shoe mount

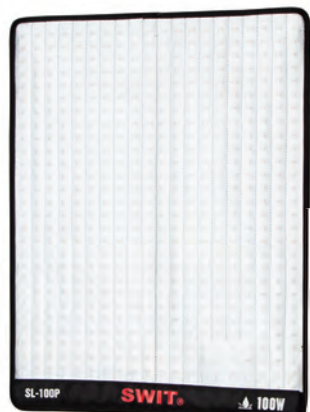


S-2241
20W Bi-color SMD On-camera LED Light

- ◆ 153pcs ultra bright Surface mounted LEDs
- ◆ 20W power, 640Lux @ 1 meter center
- ◆ 3200K-5600K continuously adjustable
- ◆ 10%-100% flick-free dimming
- ◆ CRI Ra 93, TLCI 97
- ◆ Magnetic diffuser with organic light diffusion agent
- ◆ 6-17V DC cable input
- ◆ Interchangeable S-7004 series various DV plates

IP54 Rainproof

- ✓ Light head
- ✓ Light controller
- ✓ V-mount batteries



X bracket
(Standard accessory)



Ball Diffuser
(Optional, #LA-DS100)



Eggcrate Diffuser
(Optional, #LA-BS100)

SL-100P
100W Bi-color IP54 Flexible LED Light

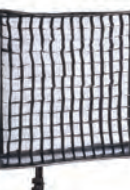
- ◆ 560pcs SMD LEDs 600x470mm foldable light head
- ◆ IP54 waterproof for light head & controller
- ◆ 100W power 2800Lux @ 1 meter
- ◆ 2700K-6500K continuously adjustable
- ◆ 0-100% index curve flick-free dimming
- ◆ CRI Ra 97, TLCI 97
- ◆ DMX512 5pin XLR in and out
- ◆ DC 11-36V input and V-mount battery power



X bracket
(Standard accessory)



Ball Diffuser
(Optional, #LA-DS150)



Eggcrate Diffuser
(Optional, #LA-BS150)

SL-150P
150W Bi-color IP54 Flexible LED Light

- ◆ 840pcs SMD LEDs 600x690mm foldable light head
- ◆ 150W power 3700Lux @ 1 meter
- ◆ 2700K-6500K continuously adjustable
- ◆ 0-100% index curve flick-free dimming
- ◆ CRI Ra 97, TLCI 97
- ◆ IP54 waterproof for light head & controller
- ◆ DMX512 5pin XLR in and out
- ◆ DC 11-36V input and V-mount battery power



BL-150E
150W Bowens COB LED Light

- ◆ 150W ultra bright 5600K COB LED
- ◆ 4370Lux luminance @ 1 meter
- ◆ CRI Ra 97, TLCI 98
- ◆ Standard Bowens mount, various accessories
- ◆ 0-100% flick-free dimming
- ◆ 9 presets light effects with speed adjustment
- ◆ DMX512 5pin XLR in and out
- ◆ LCD display dimmer, light effects and DMX
- ◆ Support IOS/Android APP control
- ◆ PowerCON AC power



BL-200
200W Bowens COB LED Light

- ◆ 200W ultra bright 5600K COB LED
- ◆ 5340Lux luminance @ 1 meter
- ◆ CRI Ra 97, TLCI 98
- ◆ Standard Bowens mount, various accessories
- ◆ Stand alone control box, AC and dual batteries power
- ◆ 0-100% flick-free dimming
- ◆ 9 presets light effects with speed adjustment
- ◆ DMX512 5pin XLR in and out
- ◆ LCD display dimmer, light effects and DMX
- ◆ Support IOS/Android APP control



BL-300
300W Bowens COB LED Light

- ◆ 300W ultra bright 5600K COB LED
- ◆ 12140Lux luminance @ 1 meter
- ◆ CRI Ra 97, TLCI 98
- ◆ Standard Bowens mount, various accessories
- ◆ Stand alone control box, AC and dual batteries power
- ◆ 0-100% flick-free dimming
- ◆ 9 presets light effects with speed adjustment
- ◆ DMX512 5pin XLR in and out
- ◆ LCD display dimmer, light effects and DMX
- ◆ Support IOS/Android APP control

■ **Optional Bowens Accessories**



BA-OCT36
36-inch Easy-open
Octagonal Softbox
with dual diffusers



BA-LAN26
26-inch Easy-open
Lantern Softbox



BA-PARA26
26-inch Easy-open
Parabolic Dome Softbox
with 40° honeycomb and dual diffusers



BA-BD16
16-inch Beauty Dish
with honeycomb and diffuser



BA-ST3
3.1-inch Snoot
with 25° & 30° honeycombs
and 5x color filters



BA-F3X
Fresnel 12-40° 3x Lens
with 10x color filters



BA-BK4
4-leaf barn door kit
to install on standard
bowens reflector

■ **Specifications:**

Model	BL-150E	BL-200	BL-300
LED	150W COB-LED	200W COB-LED	300W COB-LED
Luminance	4370Lux @ 1m	5340Lux @ 1m	12140Lux @ 1m
Color temp	5600K	5600K	5600K
Color rendering	CRI 97; TLCI 98	CRI 97; TLCI 98	CRI 97; TLCI 98
DMX	DMX512 5pin XLR in & out	DMX512 5pin XLR in & out	DMX512 5pin XLR in & out
Input voltage	AC 100-240V (PowerCON)	AC 100-240V (PowerCON), battery 11-17V	AC 100-240V (PowerCON), battery 11-17V
Dimension	272×199×333mm	Light: 272×199×333mm Controller: 170×125×218mm	Light: 301×199×333mm Controller: 170×125×218mm
Weight	2.15kg	Light 1.8kg; Controller 1.8kg	Light 1.8kg; Controller 2.75kg



PL-E60P
60W Bi-color IP54 Rainproof Panel LED



- ◆ 320pcs edge mounted SMD-LEDs
- ◆ Unique 90° light guide technology
- ◆ IP54 certificated rainproof
- ◆ 60W power, 1500Lux @ 1meter
- ◆ 0-100% flick-free dimming
- ◆ 2700K-6500K continuously adjust
- ◆ CRI Ra 98, TLCI 99
- ◆ DMX512 control and Interaction control
- ◆ USB power out for wireless DMX receiver
- ◆ V/Gold mount battery and 4-pin DC IN
- ◆ All metal housing and ultra thin
- ◆ Optional barn door & honeycomb

PL-E90P
90W Bi-color IP54 Rainproof Panel LED



- ◆ 480pcs edge mounted SMD-LEDs
- ◆ Unique 90° light guide technology
- ◆ IP54 certificated rainproof
- ◆ 90W power, 2200Lux @ 1meter
- ◆ 0-100% flick-free dimming
- ◆ 2700K-6500K continuously adjust
- ◆ CRI Ra 98, TLCI 99
- ◆ DMX512 control and Interaction control
- ◆ USB power out for wireless DMX receiver
- ◆ V/Gold mount battery and 4-pin DC IN
- ◆ All metal housing and ultra thin
- ◆ Optional barn door & honeycomb



PL-E60 Rear PL-E60D Rear

PL-E60/E60D
60W Bi-color SMD Panel LED

- ◆ 320pcs edge mounted SMD-LEDs
- ◆ Unique 90° light guide technology
- ◆ 60W power, 1500Lux @ 1meter
- ◆ 0-100% flick-free dimming
- ◆ 2700K-6500K continuously adjust
- ◆ CRI Ra 98, TLCI 99
- ◆ DMX512 and Interaction control (PL-E60D)
- ◆ USB power out for wireless DMX Rx (PL-E60D)
- ◆ V/Gold mount battery and 4-pin DC IN
- ◆ All metal housing and ultra thin
- ◆ Optional barn door & honeycomb



PL-E90 Rear PL-E90D Rear

PL-E90/E90D
90W Bi-color SMD Panel LED

- ◆ 480pcs edge mounted SMD-LEDs
- ◆ Unique 90° light guide technology
- ◆ 90W power, 2200Lux @ 1meter
- ◆ 0-100% flick-free dimming
- ◆ 2700K-6500K continuously adjust
- ◆ CRI Ra 98, TLCI 99
- ◆ DMX512 and Interaction control (PL-E90D)
- ◆ USB power out for wireless DMX Rx (PL-E90D)
- ◆ V/Gold mount battery and 4-pin DC IN
- ◆ All metal housing and ultra thin
- ◆ Optional barn door & honeycomb

■ Specifications:

Model	PL-E60	PL-E60D/E60P	PL-E90	PL-E90D/E90P
LED	320pcs SMD LEDs	320pcs SMD LEDs	480pcs SMD LEDs	480pcs SMD LEDs
Luminance	1500Lux @ 1m	1500Lux @ 1m	2200Lux @ 1m	2200Lux @ 1m
Color temp	2700K-6500K	2700K-6500K	2700K-6500K	2700K-6500K
Color Rendering	CRI 98; TLCI 99	CRI 98; TLCI 99	CRI 98; TLCI 99	CRI 98; TLCI 99
DMX	No	5pin DMX512 in & out	No	5pin DMX512 in & out
Power	60W	60W	90W	90W
Input voltage	DC11V - 36V	DC11V - 36V	DC11V - 36V	DC11V - 36V
Dimension	302×302×21mm	302×302×21mm	570×302×21mm	570×302×21mm
Weight	3.1kg	3.2kg	4.75kg	4.8kg

Ultra Slim
RGBW Panels



VANGO-70
70W Ultra Slim RGBW Panel LED Light

- ◆ 120pcs RGB + 200pcs White SMD-LEDs
- ◆ Edge mounted LEDs, 21mm ultra slim
- ◆ 1:1 size, 70W power, 1500Lux @ 1meter
- ◆ Time-Division drive, ultra bright RGB
- ◆ CCT / HSI / RGB / CIE / GEL / EFF color mode
- ◆ Built-in 20x Rosco and 20x LEE GELS
- ◆ 2800K-10000K, G/M ± 1.00 adjustment
- ◆ CRI Ra 95, TLCI 92
- ◆ 3.5-inch color LCD visualized operation
- ◆ 5-pin DMX512 IN & OUT control
- ◆ IOS/Android APP control
- ◆ V/Gold mount battery and 4-pin XLR DC IN
- ◆ With barn door kit and optional honeycomb



VANGO-100
100W Ultra Slim RGBW Panel LED Light

- ◆ 180pcs RGB + 300pcs White SMD-LEDs
- ◆ Edge mounted LEDs, 21mm ultra slim
- ◆ 2:1 size, 100W power, 2000Lux @ 1meter
- ◆ Time-Division drive, ultra bright RGB
- ◆ CCT / HSI / RGB / CIE / GEL / EFF color mode
- ◆ Built-in 20x Rosco and 20x LEE GELS
- ◆ 2800K-10000K, G/M ± 1.00 adjustment
- ◆ CRI Ra 95, TLCI 92
- ◆ 3.5-inch color LCD visualized operation
- ◆ 5-pin DMX512 IN & OUT control
- ◆ IOS/Android APP control
- ◆ V/Gold mount battery and 4-pin XLR DC IN
- ◆ With barn door kit and optional honeycomb

On-board 3.5-inch color LCD



PL-E90L
90W Bi-color SMD Strip Panel LED

- ◆ 0.5×3' size slim strip light
- ◆ 480pcs edge mounted SMD-LEDs
- ◆ Unique 90° light guide technology
- ◆ 90W power, 2000Lux @ 1meter
- ◆ 0-100% flick-free dimming
- ◆ 2700K-6500K continuously adjust
- ◆ CRI Ra 99, TLCI 99
- ◆ DMX512 control and Interaction control
- ◆ USB power out for wireless DMX receiver
- ◆ V/Gold mount battery and 4-pin XLR DC IN
- ◆ Provide 3-light interview kit



Interview kit with 3x PL-E90L, 3x light stands, and AC adaptors



Portable trolley case

Specifications:

Model	VANGO-70	VANGO-100	PL-E90L
LED	120pcs RGB + 200pcs W	180pcs RGB + 300pcs W	480pcs SMD LEDs
Luminance	1500Lux @ 1m	2000Lux @ 1m	2000Lux @ 1m
Color temp	2800K-10000K, GM ± 1.00	2800K-10000K, GM ± 1.00	2700K-6500K
Color Rendering	CRI 95; TLCI 92	CRI 95; TLCI 92	CRI 99; TLCI 99
DMX	5pin DMX512 in & out	5pin DMX512 in & out	5pin DMX512 in & out
Power	70W	100W	90W
Input voltage	DC 11V - 34V	DC11V - 34V	DC11V - 36V
Dimension	312.5×312.5×21mm	580.5×312.5×21mm	839×163×21mm
Weight	4kg	6kg	4.9kg



Studio Panel LED

High intensity, Accurate color, Smooth Dimming



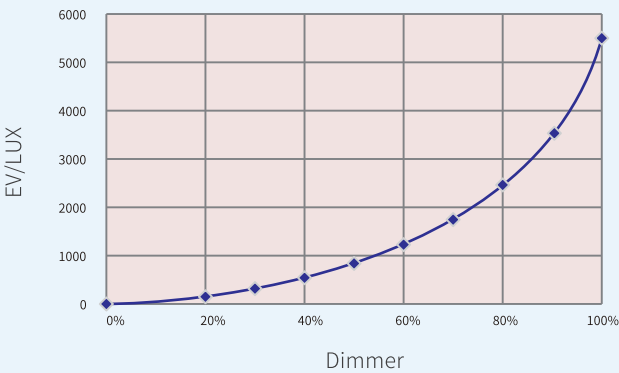
PL-S150D 150W Bi-color SMD Panel LED Light

- ◆ 1152pcs ultra bright long-life LEDs
- ◆ Surface mounted LED technology
- ◆ 150W power, 5500Lux @ 1meter ultra bright
- ◆ 2700K-6500K continuously adjustable
- ◆ 0-100% Smooth non-linear flick-free dimming
- ◆ CRI Ra 97, TLCI 99, SSI (D55) 73
- ◆ DMX512 controlled color and dimmer
- ◆ USB power out for wireless DMX receiver
- ◆ LCD display color and dimmer value
- ◆ V/Gold mount battery and 3-pin DC IN
- ◆ All-metal housing with 4-leaf barn doors
- ◆ Optional 40° honeycomb (LA-GS150)

Distance	1 meter	2 meters	3 meters
Illuminance	5500Lux	1380Lux	650Lux

Smooth Non-linear Flick-free Dimming

To produce smooth light output when dimming at low intensity range, PL-S150D provides a non-linear index dimming curve, and the 1% dimmer equals to only 0.3% of the full intensity, to match with the sensitivity of human eyes.



CL-M100D Mini Size 100W Bi-color SMD Low Ceiling Studio Panel LED Light

- ◆ 576pcs ultra bright long-life SMD LEDs
- ◆ 1×1/2' mini size for low ceiling studio setup
- ◆ 100W power, 3400Lux @ 1meter ultra bright
- ◆ No fan, no noise
- ◆ 2700K-6500K continuously adjustable
- ◆ 0-100% flick-free dimming
- ◆ CRI Ra 98, TLCI 99, SSI (D55) 73
- ◆ DMX512 controlled color and dimmer
- ◆ USB power out for wireless DMX receiver
- ◆ LCD display color and dimmer value
- ◆ PowerCON TRUE1 AC in and loop out
- ◆ 4-pin XLR DC 11-17V input
- ◆ All-metal housing with 4-leaf barn doors



S-2430C 100W Bi-color SMD Panel LED Light

- ◆ 1152pcs ultra bright long-life LEDs
- ◆ Surface mounted LED technology
- ◆ Half-peak 70° wide beam angle
- ◆ 3200K-5600K continuously adjustable
- ◆ 100W power, 2500Lux @ 1meter
- ◆ 10%-100% flick-free dimming
- ◆ CRI Ra 93, TLCI 97
- ◆ DMX512 controlled color and dimmer
- ◆ LCD display color and dimmer value
- ◆ Power by V-mount battery or AC-DC adaptor
- ◆ All-metal housing with 4-leaf barn doors
- ◆ Standard Yoke & optional Pole operated Yoke

Specifications:

Model	PL-S150D	CL-M100D	S-2430C
LED	1152pcs SMD LEDs	576pcs SMD LEDs	1152pcs SMD LEDs
Luminance	5500Lux @ 1m	3400Lux @ 1m	2500Lux @ 1m
Beam angle	Half-peak 64°	Half-peak 62°	Half-peak 70°
Color temperature	2700K-6500K	2700K-6500K	3200K-5600K
Color Rendering	CRI 97; TLCI 99; SSI(D55) 73	CRI 98; TLCI 99; SSI(D55) 73	CRI 93; TLCI 97
Power	150W	100W	100W
Input voltage	DC12V - 36V	AC 100-240V IN&OUT; DC11V - 17V	DC12V - 17V
Weight	5.8kg	5.6kg	5.8kg
Lighting area	484×242 mm	245×146 mm	477×237 mm
Dimension	543×301×58 mm	275×173×130 mm	630×440×83 mm



CL-60D
60W Bi-color SMD Panel LED Light

- ◆ 900pcs ultra bright long-life LEDs
- ◆ Surface mounted LED technology
- ◆ Half-peak 65° wide beam angle
- ◆ 2700K-6500K continuously adjustable
- ◆ 60W power, 2000Lux @ 1meter
- ◆ 0-100% flick-free dimming
- ◆ CRI Ra 98, TLCI 99
- ◆ DMX512 controlled color and dimmer
- ◆ LCD display color and dimmer value
- ◆ Power by V-mount battery or AC-DC adaptor
- ◆ 4-leaf metal barn doors and Yoke bracket
- ◆ Optional 40° honeycomb



CL-120D
120W Bi-color SMD Panel LED Light

- ◆ 1800pcs ultra bright long-life LEDs
- ◆ Surface mounted LED technology
- ◆ Half-peak 65° wide beam angle
- ◆ 2700K-6500K continuously adjustable
- ◆ 120W power, 3700Lux @ 1meter
- ◆ 0-100% flick-free dimming
- ◆ CRI Ra 98, TLCI 99
- ◆ DMX512 controlled color and dimmer
- ◆ LCD display color and dimmer value
- ◆ Power by V-mount battery or AC-DC adaptor
- ◆ 4-leaf metal barn doors and Yoke bracket
- ◆ Optional 45° honeycomb

■ Specifications:

Model	CL-60D	CL-120D
LED	900pcs SMD LEDs	1800pcs SMD LEDs
Luminance	2000Lux @ 1m	3700Lux @ 1m
Beam angle	Half-peak 65°	Half-peak 65°
Color temperature	2700K-6500K	2700K-6500K
Color Rendering	CRI 98; TLCI 99	CRI 98; TLCI 99
Power	60W	120W
Input voltage	DC11V - 17V	DC11V - 17V
Weight	3.2kg	4.7kg
Lighting area	310×310 mm	600×310mm
Dimension	354×354×73.5 mm	644×354×73.5mm

FL-C60D
60W Bi-color COB Fresnel LED Light

- ◆ 60W ultra bright COB LED light
- ◆ 15°-60° Spot/Flood electromotive adjust
- ◆ 25000Lux luminance @ 15° / 1 meter
- ◆ 2700K-8000K continuously adjustable
- ◆ 0-100% flick-free dimming
- ◆ CRI Ra 95, TLCI 97
- ◆ DMX512 controlled Color, Dimmer, Spot angle
- ◆ LCD display color, dimmer and DMX
- ◆ Silent mode by fans switching off
- ◆ LED overheat detection and protection



S-2320
160W Bi-color COB Fresnel LED Light

- ◆ 160W ultra bright COB LED light
- ◆ 20°-70° Spot/Flood adjustable
- ◆ 45000Lux luminance @ 20° / 1 meter
- ◆ 3000K-8000K continuously adjustable
- ◆ 0-100% flick-free dimming
- ◆ CRI Ra 95, TLCI 95
- ◆ DMX512 controlled color and dimmer
- ◆ Silent mode by fans switching off
- ◆ LED overheat detection and protection



S-2330
300W Bi-color COB Fresnel LED Light

- ◆ 300W ultra bright COB LED light
- ◆ 20°-70° Spot/Flood adjustable
- ◆ 53500Lux luminance @ 20° / 1 meter
- ◆ 3000K-8000K continuously adjustable
- ◆ 0-100% flick-free dimming
- ◆ CRI Ra 95, TLCI 95
- ◆ DMX512 controlled color and dimmer
- ◆ Silent mode by fans switching off
- ◆ LED overheat detection and protection



■ Specifications:

Model	Input	Power	Luminance @ 1m	Color temp	Color Render	Dimension	Weight
FL-C60D	DC 11V~36V	60W	15°: 25000Lux; 60°: 4000Lux	2700K-8000K	CRI 95; TLCI 97	111×120×235mm	2.1kg
S-2320	AC100V-240V 50/60Hz	160W	20°: 45000Lux; 70°: 7900Lux	3000K-8000K	CRI 95, TLCI 95	390×320×370mm	5kg
S-2330	AC100V-240V 50/60Hz	300W	20°: 53500Lux; 70°: 8200Lux	3000K-8000K	CRI 95, TLCI 95	490×500×400mm	11.1kg



LA-R240
24-ch DMX512 Light Console

- ♦ Standard DMX512 signal control with isolater
- ♦ 24x channel sliders, 6x Group sliders, 1x Master slider
- ♦ Up to 4 units series connection, Max 96 channels control
- ♦ Support flash control buttons for each slider
- ♦ 3-pin XLR DMX in and loop out
- ♦ 1x USB-A power output
- ♦ PowerCON AC 88-256V wide input and loop out
- ♦ 19-inch rack mountable size



LA-R480
48-ch DMX512 Light Console

- ♦ Standard DMX512 signal control with isolater
- ♦ 24x channel sliders, 6x Group sliders, 1x Master slider
- ♦ Page A/B switch to support 48 channels control
- ♦ Up to 4 units series connection, Max 192 channels control
- ♦ Support flash control buttons for each slider
- ♦ 3-pin XLR DMX in and loop out
- ♦ 1x USB-A power output
- ♦ PowerCON AC 88-256V wide input and loop out
- ♦ 19-inch rack mountable size

■ Specifications:

Model	LA-R240	LA-R480
Channel	24	48
Group control	6	6
Series connection	4 units, Max 96-ch	4 units, Max 192-ch
DMX port	3-pin XLR IN & LOOP	3-pin XLR IN & LOOP
Power IN	PowerCON AC 88-256V 50/60Hz IN & LOOP	PowerCON AC 88-256V 50/60Hz IN & LOOP
Dimension	482×265×75mm	482×265×75mm
Weight	2.65kg	2.65kg



Console



Light Adaptor

LA-WR8
8-ch Pocket Wireless DMX Console

- ♦ Pocket size portable DMX console
- ♦ 2.4G wireless quick connection with light adaptors
- ♦ 400m (LOS) transmission distance
- ♦ Compactible with all standard DMX512 lights
- ♦ 8 channels × 7 groups switching
- ♦ Power by 2× AA batteries or Micro USB input



Lights with USB power socket



ARRI Skypanel



Other lights without USB

Powered by 2x AA batteries, working 4 hours, and enter sleep mode if no operation after 1 minute. Support Micro USB power input as well.

Light adaptor compatible with all standard 5-pin DMX port lights, and powered by USB. SWIT PL, FL, CL, SL series and ARRI Skypanel provide USB socket on the light. For other lights without USB, please use battery with USB socket or USB power bank.

■ Specifications:

Model	LA-WR8 Console	LA-WR8-R Light Adaptor
Wireless	2.4G transmission	
Distance	400 meters (Line-of-Sight)	
Input Voltage	2x AA batteries or 5V Micro USB	5V Micro USB
Power Consumption	1W	0.5W
Dimension	184×84×22mm	110×70×12mm
Weight	274g	47g



MUF50
5kg Portable Travel Tripod Kit

- ♦ Aluminum alloy light weight tripod kit
- ♦ 4-section leg, 43-149cm adjustment
- ♦ 5kg load smooth motion fluid head
- ♦ Dynamic counter balance
- ♦ 1/4" screw quick release plate
- ♦ Luminous bubble level
- ♦ 360° pan and -75° ~ +90° tilt motion
- ♦ Reverse center column to low angle shooting
- ♦ Anti-pinch locks and rubber feet



MUF100C
10kg Carbon Fiber Travel Tripod Kit

- ♦ 8-layer tubular carbon fiber travel tripod
- ♦ 3-section leg, 40-170cm adjustment
- ♦ 25°-75° leg angle adjustment
- ♦ 10kg load smooth motion fluid head
- ♦ Dynamic counter balance
- ♦ 1/4" and 3/8" screws quick release plate
- ♦ Luminous bubble level
- ♦ 360° pan and -75° ~ +90° tilt motion
- ♦ Support 75mm & 100mm bowl size
- ♦ Anti-pinch locks and rubber fee

■ Specifications:

Model	MUF50	MUF100C
Material	Aluminum alloy	Carbon fiber
Sections	4	3
Working height	43-149cm	40-170cm
Head load	5kg	10kg
Bowl diamter	50mm	75mm / 100mm
Max tube diameter	26mm	39mm
Tube thickness	1mm	1.2mm
Weight	2.23kg	4.3kg



TOWER100
10kg Studio Camera Tripod Kit

- ♦ Aluminum light weight studio tripod
- ♦ 3-section leg, 72-153cm adjustment
- ♦ 10kg load smooth motion fluid head
- ♦ Dynamic counter balance
- ♦ 1/4" and 3/8" screws quick release plate
- ♦ Luminous bubble level
- ♦ 360° pan and -75° ~ +90° tilt motion
- ♦ With mid spreader to strengthen stability
- ♦ Anti-pinch locks and rubber feet



TOWER150/150C
15kg Studio Camera Tripod Kit

- ♦ 3-section leg, 50-170cm adjustment
- ♦ One buckle release and lock 3 sections
- ♦ 15kg load smooth motion fluid head
- ♦ Pan and tilt damping adjusting
- ♦ 1/4" and 3/8" screws quick release plate
- ♦ Luminous bubble level
- ♦ 360° pan and -75° ~ +90° tilt motion
- ♦ With ground stretcher and horseshoe feet

TOWER150: Aluminum alloy
TOWER150C: 8-layer Carbon fiber

■ Specifications:

Model	TOWER100	TOWER150	TOWER150C
Material	Aluminum alloy	Aluminum alloy	Carbon fiber
Sections	3	3	3
Working height	72-153cm	50-170cm	50-170cm
Head load	10kg	15kg, damping adjust	15kg, damping adjust
Bowl diamter	65mm	75mm	75mm
Max tube diameter	20mm	22mm	22mm
Tube thickness	1.2mm	1.2mm	1.2mm
Weight	4kg	5.1kg	4.3kg

Battery Plate and Adaptor

			
S-7000A/S	KA-A20S	S-7005A	S-7005S
Battery Plate with D-tap Open end DC wires S-7000A: Gold mount S-7000S: V-mount	ARRI ALEXA V-mount Plate For ALEXA LF/65/SXT etc. Detect and active 22-33.6V output of PB-H Bi-voltage batteries. CNC housing, D-tapx2, LEMO, USB.	V-mount to Gold Mount Plate Adapt Gold mount batteries to V-mount cameras, with D-tap output socket	Gold Mount to V-mount Plate Adapt V-mount batteries to Gold mount cameras, with D-tap output socket

			
S-7200F/U/D/C	S-7200A/S	S-7004A/S	S-7006A/S
DV Battery Plate with Clamp Provides 5.5/2.1mm pole-tap DC socket S-7200F: SONY NP-F970/770 S-7200U: SONY BP-U30/60 S-7200D: Panasonic CGA-D54 / VW-VBD58 S-7200C: Canon BP-945/970G	Battery Plate with Clamp For lighting tripod installation, provides D-tap DC socket S-7200A: Gold mount S-7200S: V-mount	Battery Plate for Monitors Gold mount / V-mount plate with 2-pin DC plug for SWIT S-1071 / 1093 / 1173 / 1223 / 1243 / 1273 series monitors	Battery Plate for Monitors Gold mount / V-mount plate with 2-pin DC plug for SWIT CM-S73H monitor.

		
S-7000F/U/D/V/I/C/E	S-7004F/U/D/V/I/C/E	S-7006F/U/D/V/I/C/E
Various DV Battery Plate With open end DC wires S-7000F: SONY NP-F970/770 S-7000U: SONY BP-U30/60 S-7000D: Panasonic CGA-D54 / VW-VBD58 S-7000V: JVC BN-VF823 S-7000i: SSL-JVC50/75 S-7000C: Canon BP-945/970G S-7000E: Canon DSLR LP-E6	Snap-on type DV Battery Plate Quick release and interchange, for SWIT S-1093 / 1071 monitors or S-2241 / 2041 / 2070 lights S-7004F: SONY NP-F970/770 S-7004U: SONY BP-U30/60 S-7004D: Panasonic CGA-D54 / VW-VBD58 S-7004V: JVC BN-VF823 S-7004i: SSL-JVC50/75 S-7004C: Canon BP-945/970G S-7004E: Canon DSLR LP-E6	DV plate with 2-pin DC plug Dedicated for CM-S73H monitor S-7006F: SONY NP-F970/770 S-7006U: SONY BP-U30/60 S-7006D: Panasonic CGA-D54 / VW-VBD58 S-7006V: JVC BN-VF823 S-7006i: SSL-JVC50/75 S-7006C: Canon BP-945/970G S-7006E: Canon DSLR LP-E6

Light Stand

		
DS-8707A	QH-J2200	QH-J288C
Portable Light Stand Folded height: 500mm Max height: 1700mm Diameter: 19/22/26/29mm, 4 sections Head:1/4" and 3/8" Max Load: 4kg Weight: 1.2kg	Light Stand Folded height: 700mm Max height: 2230mm Diameter: 22/25/30mm, 3 sections Head:1/4" and 3/8" Max Load: 6kg Weight: 1.5kg	Air Cushioned Light Stand Folded height: 1050mm Max height: 2500mm Diameter: 25/30/35mm, 3 sections Head:1/4" and 3/8" Max Load: 8kg Weight: 1.65kg

Cable and Connector

			
S-7101	S-7102	S-7103	S-7104
D-tap to 4-pin XLR DC Cable Plug into D-tap socket and output DC via 4-pin XLR connector	4-pin XLR Female to Male Cable For SWIT S-3812A/S, S-3822A/S, PC-P430A/S chargers, S-4010/4020/4040, TD-R210A/S adaptors to output DC via 4-pin XLR connector.	D-tap Open End DC Cable D-tap cable with one end opened for customer connection	D-tap to Pole-tap DC Cable Plug into D-tap socket and output DC via 5.5/2.1mm pole-tap

		
S-7108	S-7500F/P/I/C	S-7111
Pole-tap to Pole-tap DC Cable DC cable with both ends of 5.5/2.1mm Pole-tap connector	Dummy Battery Adaptor Dummy battery with 5.5/2.1mm pole-tap DC cable connector S-7500F: SONY NP-F970/770 S-7500P: Panasonic CGA-D54 S-7500i: SSL-JVC50/75 S-7500C: Canon BP-945/970G	D-tap to USB Adaptor Attach to battery D-tap socket, convert to 5V/1.5A USB output, and return a D-tap output