

Advanced Mini-DV Lighting

Frezzi is the world leader for on-camera lighting used by virtually all network news operations, cable, and sports channels for over 60 years. Frezzi continues to expand its family of award winning quartz and HMI lighting tailored to today's smaller format DV and mini-camcorders.

The Micro-Fill series provides tungsten or daylight balanced light. The Standard and Dimmer Micro-Fill are balance at 3200K and provide 5500K with the optional Combo Accessory MRDF. The Dimmer Micro-Fill offers an advanced dimmer circuit for controlling light output providing optimal DV performance without radio interference.

Frezzi's new line of Micro-Fills and Micro-Sun Guns are affordably priced and designed with the same professional features as their big brother counterparts, the award winning Frezzi Mini-Fills and HMI Mini-Sun Guns. Improve your image quality, put a Frezzi on your camera and see the results.

FEATURES & BENEFITS

- Compact, lightweight, ruggedized camera top lighting.
- Universal shoe mount, 1/4-20 thread, 1/2" stud mount included.
- Quality construction with professional features.
- Available with all commonly requested connectors.
- 3 models: ON/OFF, Dimmer, HMI DAYLIGHT (5600K).
- Many accessories & options. Full kits available with batteries.



Micro-Fill Model MRF-NP1 shown on Sony DSR-PD150



Dimmer Micro-Fill with MRSB Accessory



Micro-Sun Gun HMI with MRFA Accessory

Choice of Connectors



PT / PTS



4X



NP 1/ NP1S



12S



5X



12C



12P

To find the right light for your camera, make a selection from the following table:

1. Select your battery below:	2. Select one of the three models below:						3. Verify connector type and cable length below:
	Standard Micro-Fill (ON/OFF quartz)		Dimmer Micro-Fill (Dimmable quartz)		Micro-Sun Gun HMI (ON/OFF HMI)		
	Item No.	Model No.	Item No.	Model No.	Item No.	Model No.	
NP-1 style battery (waist mounted)	91301	MRF-NP1	91401	MRFIC-NP1	92801	MRA-NP1	NP-1 battery connector, 4' cable
NP-1 style battery (camera mounted)	91302	MRF-NP1S	91402	MRFIC-NP1S	92802	MRA-NP1S	NP-1 battery connector, 2' cable
Camera battery (power-tap rear)	91306	MRF-PT	91406	MRFIC-PT	92803	MRA-PT	Power-tap connector, 2' cable
Camera battery (power-tap front)	91303	MRF-PTS	91403	MRFIC-PTS	92804	MRA-PTS	Power-tap connector, 1' cable
Battery with XLR-4 connector	91304	MRF-4X	91404	MRFIC-4X	92805	MRA-4X	XLR-4 male connector, 4' cable
Battery with XLR-5 connector	91305	MRF-5X	91405	MRFIC-5X	92806	MRA-5X	XLR-5 male connector, 4' cable
Battery with cigarette connector	91307	MRF-12P	91407	MRFIC-12P	92807	MRA-12P	Cigarette plug, 4' cable
BP-90 style battery	91308	MRF-12C	91408	MRFIC-12C	92808	MRA-12C	BP-90 socket, 4' cable
Battery for PAG-LOK bracket	91309	MRF-12S	91409	MRFIC-12S	92809	MRA-12S	BP-90 plug, 2' cable

All models operate on 12-14.4 Volts

SPECIFICATIONS

Weights: 5 Ounces (Standard Micro-Fill)
6 Ounces (Dimmer Micro-Fill)
7 Ounces (Micro-Sun Gun)

Mount: 1/2 " Stud

UNIVERSAL MOUNTING: CAMERA SHOE MOUNT,

LAMPS

Item#	Model#	Watts	Volts	Kelvin	Life(hrs)	fc @ 5'	Bulb Type
97011	FTH	35	12-14	3200K	2000	25	Tung.
97012	FTD	20	12-14	3200K	2000	15	Tung.
97105	FAB-10	10	12-14	5600K	1000	25	HMI

Foot candle readings taken on lightheads with diffused front glass which is standard on all Frezzi Micro-Fills.

Mini-DV Lighting Kits

When looking for an economical on-camera light kit that does not sacrifice professional quality, the new Micro-Kits are a great choice. Each kit comes complete with a lighthead, battery, charger, and battery pouch. All lightheads include a bulb and all necessary mounting hardware for camera shoe, 1/4-20 thread or 1/2" stud mount.

The battery included in the kits is the reliable Frezzi FNP-1S which will run a Micro-Fill with a 35 watt bulb for over 45 minutes, and a 20 watt bulb for over 75 minutes. The amazing Micro-Sun Gun HMI will run for over 2 hours and outputs the daylight equivalent of a 50 watt color corrected quartz tungsten lamp.

A full line of accessories is available for the Micro-Fills & Micro-Sun Guns. They are all easy to install and built with professional quality and durability. See Optional Accessories table below for details.

OTHER KEY FEATURES

- All light heads include all necessary mounting hardware for any video camera.
- The Frezzi FNP-1S 28 Watt Hour battery runs a 35 watt bulb for 45 minutes and a 20 watt bulb for 75 minutes at maximum brightness (longer run-times are achieved at lower intensities).
- Compact, lightweight, and reliable camera top lighting
- Full kits available with batteries.
- Advanced pulse width modulation variable control emits no interference with video signal.

Micro-Fill & Micro-Sun Gun Kit Selector Tables

Standard Micro-Fill Kit Item No. 91501, Model No. MRFK-NP1			
Item No.	Model No.	Qty	Description
91301	MRF-NP1	1	Standard Micro Fill with 35W bulb
93103	FNP-1S	1	12 volt, 2.3 Ah battery
94201	FTC-NP1	1	Overnight charger 120/240 VAC
96607	NP1-POUCH	1	Nylon pouch with belt loop and shoulder strap for FNP-1S
Run time:	45 minutes		35 watt FTH bulb (included)
	75 minutes		20 watt FTD bulb (optional)
Item No. 91502, Model No. MRFK-NP1Q Quick charge kit			

Dimmer Micro-Fill Kit Item No. 91601, Model No. MRFKIC-NP1			
Item No.	Model No.	Qty	Description
91401	MRFIC-NP1	1	Dimmer Micro-Fill with 35W bulb
93103	FNP-1S	1	12 volt, 2.3 Ah battery
94201	FTC-NP1	1	Overnight charger 120/240 VAC
96607	NP1-POUCH	1	Nylon pouch with belt loop and shoulder strap for FNP-1S
Run time:	45 minutes		35 watt FTH bulb (included)
	75 minutes		20 watt FTD bulb (optional)
Item No. 91602, Model No. MRFKIC-NP1Q Quick charge kit			

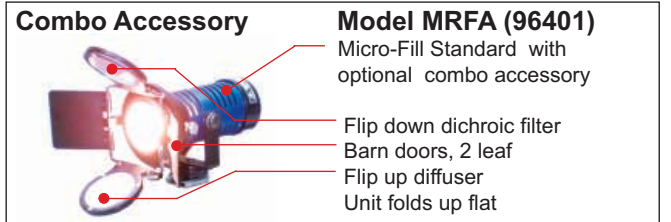
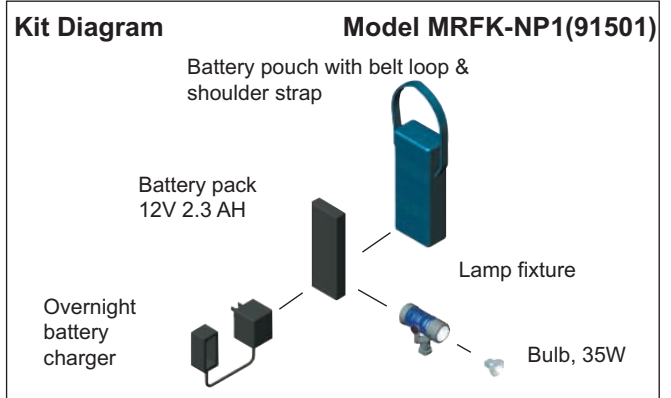
Micro-Sun Gun HMI Kit Item No. 92901, Model No. MRAK-NP1			
Item No.	Model No.	Qty	Description
92801	MRA-NP1	1	Micro-Sun Gun with bulb
93103	FNP-1S	1	12 volt, 2.3 Ah battery
94201	FTC-NP1	1	Overnight charger 120/240 VAC
96607	NP1-POUCH	1	Nylon pouch with belt loop and shoulder strap for FNP-1S
Run time:	2.25 hours		10 watt FAB-10 bulb (included)
Item No. 92902, Model No. MRAK-NP1Q Quick charge kit			



Micro-Fill Kit MRFK-NP1 shown with JVC GY-DV300



Dimmer Micro-Fill shown with Panasonic AG-DVX100



Optional Accessories		
Item No.	Model No.	Description
96401	MRFA	Micro-Fill combo accessory: 2 barn doors, dichroic filter, diffuser
96402	MRAA	Micro-Sun Gun combo accessory : 2 barn doors, CTO filter, diffuser
96403	MRDF	Micro-Fill dichroic filter
96404	MRAF	Micro-Sun Gun CTO filter
96405	MRSB	Micro-Fill / Micro Sun Gun soft box
97011	FTH	Spare 35 watt tungsten bulb
97012	FTD	Spare 20 watt tungsten bulb
97105	FAB-10	Spare 10 watt HMI bulb