

**Nissin**  
DIGITAL

  
**NASS**  
Ready!

Compatible with  
Nissin Air System

**Di700A** 



**Air 1** 



**Nissin Digital**  
**Camera Flash Catalogue**

**2015**

# MG8000 EXTREME

## HIGH HEAT RESISTANCE FLASH

- For Canon DSLR Camera
- For Nikon DSLR Camera
- Guide Number  
[85(m)/280(ft)] (ISO200/105mm)  
[60(m)/198(ft)] (ISO100/105mm)



E-TTL II  
Canon

i-TTL  
Nikon

1000  
Times  
Full Power

High  
Heat  
Resistance

Quartz  
Tube

Color  
Display

TTL  
Compensation

Manual  
Power  
Ratio

Auto  
Aperture  
Flash

Slave  
Flash  
SD/SF

Wireless  
TTL  
Remote &  
Master

Auto  
Zoom

Bounce  
Lighting

Tilt & Swivel

AF  
Assist  
Light

Silent  
Humming

My  
TTL

Sub  
Flash

Power  
Pack

Sync  
Contact

### High Heat Resistance

The high heat resistance materials are developed for this unique model to achieve more than 1,000 times continuum emitting with full flash power without overheating problems.



### Using the latest quartz tube design

Capture the important moments, and reliably in the case of high power and high frequency flash shooting, without concerns about overheating flash effects.



### Equipped with flash diffuser

For full frame digital SLR camera, you can greatly expand the flash illumination angle and also weaken the shadow of the edge from direct flash lighting, suitable for portrait photography.



### Combination

High-performance MG8000 with Nissin Power Pack PS 8/ PS300 can speed up the recycle time to achieve high power and frequency of flash photography.



### More Features

- **Metal Hotshoe**  
Durable metal hotshoe design, easy to install and reduce the chance of damage caused by installation.
- **Sub-Flash**  
The MG8000 provides a sub flash below the main flash. This small flash gives a fill-in light while bouncing the main flash. Bouncing the light may shadow the underside of face, and this fill-in flash brightens up the shadow.
- **My TTL**  
TTL exposure level is accurately calibrated for standard balance in accordance with Nissin's standard. If any adjustment is however required, or if you like to set your own preferable level, it can be adjust for about +/- 3EV by every 1/3 EV step.
- **External Service Box**
  - ① External Power Pack Socket – MG8000 supports Nissin Power Pack PS 8/ PS300.
  - ② PC Sync Terminal – MG8000 has PC sync terminal socket for flash synchronization.
  - ③ USB Service Port – MG8000 provides a USB port to upgrade to the latest firmware.



\*Additional accessories are available for purchase - Battery Magazine BM-01, Nissin Power Pack PS 8.

# POWER PACK PS 8

## EXTERNAL POWER BOOSTER

- For Canon Flash System
- For Nikon Flash System
- For Sony Flash System



### Compact • Lightweight

The core boosting circuit of Nissin Power Pack PS 8 has been redesigned to reduce the heat, compare with previous model, it now uses a high-strength plastic instead of a metal housing for the body. Because of this, the size is now more compact while maintaining the high-performance at the same time.

### Quick-loading battery cartridge

The Nissin Power Pack PS 8 has a new battery cartridge design. In addition to greatly increasing the battery capacity, the new battery design helps to decrease the overall weight.

### Battery level indication LED

When the battery level is less than or equal to 30%, it turns from "green" to "red" and the LED beings "blinking red", this indicates that the battery is nearly discharged.

### USB socket

USB power output which supports DC 5V 2A output. It can be a fast charging device for Image data transfer or others like smartphones and tablet devices in case of any emergency.

### High Speed charging

The Power Pack PS 8 provides high speed charging, approximately 0.7 seconds to recharge MG8000 and it can be shooted 550 flashes per every full power output (GN 60).<sup>#1</sup>

<sup>#1</sup> Tested with Nissin Power Pack PS 8 full charged battery and MG8000 full charged 4 x LR6 rechargeable batteries.

### Output sockets

Provides 2 power sockets. Users are able to work with 2 flashes at the same time. A variety of power supply cables are provided for different camera brands.

- External Power Pack Socket in Nissin MG8000/ Di866 Mark II/ Di866/ Di700/ Di700A flash and MF18 macro flash.



#### [Specifications of Ni-MH battery pack]

Type	Cartridge type (with two-stage locking device)
Output voltage	DC 7.2V
Capacity	3,000 mAh
Charging time (Approx.)	4 hours
Charge Discharge cycle (Approx.)	500 cycles
Dimensions (Approx.)	110(H) x 74(W) x 27(D)mm/ 4.3(H) x 2.9(W) x 1(D) inches
Weight (Approx.)	386g/ 13.6 oz.

\*Additional accessories are available for purchase - Power Supply Cable (Canon/ Nikon/ Sony), Nissin PS 8 Power Pack Battery.

# MARK II Di866

## HIGH TECH FLASH

- For Canon DSLR Camera
- For Nikon DSLR Camera
- Guide Number  
[85(m)/280(ft)] (ISO200/105mm)  
[60(m)/198(ft)] (ISO100/105mm)



E-TTL II  
Canon

i-TTL  
Nikon

Color  
Display

TTL  
Compensation

Manual  
Power  
Ratio

Auto  
Aperture  
Flash

Slave  
Flash  
SD/SF

Wireless  
TTL  
Remote &  
Master

Auto  
Zoom

Bounce  
Lighting  
Tilt & Swivel

AF  
Assist  
Light

Silent  
Humming

My  
TTL

Sub  
Flash

Power  
Pack

Sync  
Contact

## Auto Rotation & Color Display

The color display will automatically rotate from horizontal to vertical as the flash is rotated and the user friendly six icon interface represents each of the modes of operation— Auto, TTL, Manual/Av, Multi, Wireless TTL (Master/Remote) and Customer Setting.



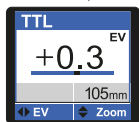
## Digital TTL

**TTL:** Support Canon E-TTL, E-TTL II and Nikon i-TTL. Flash light is automatically controlled by the camera but the flash exposure value can be compensated.

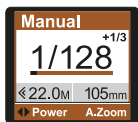
**Manual:** Flash power can be adjusted manually at 22 levels, from full power to 1/128 power at every 1/3 stops. The appropriate distance to the subject is shown in the display in accordance with the aperture value set on the camera.

**Av priority:** The flash light can be automatically controlled by the photo sensor built-in the flash unit instead of TTL metering. The F. Stop can be set from F1.4~F16. The distance at the F-stop set on the flash and camera is shown in the display.

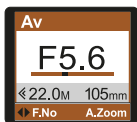
**Multi Flash:** Repeating flash for multi-exposure image in one frame. The power ratio can be set from 1/8 to 1/128.



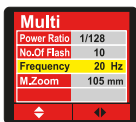
TTL Mode



Manual Mode



Av priority Mode

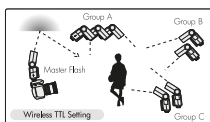


Multi-flash Mode

## Wireless TTL

The Di866 Mark II Wireless TTL system supports Canon E-TTL/ E-TTL II and Nikon i-TTL. Di866 Mark II can be used in combination with Canon or Nikon original flash units as either Master or Remote (Slave).

The Di866 Mark II also supports digital (pre-flash system) and analogue (film type camera's flash and/or studio flash under both of Manual and Av. priority mode.



## More Features

- **Metal Hotshoe**  
Durable metal hotshoe design, easy to install and reduce the chance of damage caused by installation
- **Sub-Flash**  
The Di866 Mark II provides a sub flash below the main flash. This small flash gives a fill-in light while bouncing the main flash. Bouncing the light may shadow the underside of face, and this fill-in flash brightens up the shadow.
- **My TTL**  
TTL exposure level is accurately calibrated for standard balance in accordance with Nissin's standard. If any adjustment is however required, or if you like to set your own preferable level, it can be adjust for about +/- 3EV by every 1/3 EV step.
- **External Service Box**

- ① External Power Pack Socket – The Di866 Mark II supports Nissin Power Pack PS 8/ PS300.
- ② PC Sync Terminal – The Di866 Mark II has PC sync terminal socket for flash synchronization.
- ③ USB Service Port – The Di866 Mark II provides a USB port to upgrade to the latest firmware.



\*Additional accessories are available for purchase - Battery Magazine BM-01, Nissin Power Pack PS 8.



NAS is Nissin newly developed 2.4GHz radio transmission wireless flash system. To compare with the traditional optical wireless transmitters, 2.4GHz radio transmission is less susceptible to angle and obstacle limitation, coverage up to 30 meters. Transmission channels and radio transmission IDs can be set to prevent misfiring in the event of signal interference on the same channel. Nissin Commander Air 1 can control 3 groups of Nissin Flash Di700A with the user friendly operation panel and variety function, it would be more convenient for the user.

Flexible combination of Nissin NAS. Nissin Commander Nissin Air 1 can be mixed to control different versions of Nissin Di700A for wireless TTL or manual flash.

After binding setting on Nissin Di700A and Nissin Air 1. You can control the flash TTL EV compensation/ Manual output/ Manual zoom on Air 1 and all set to be displayed on Nissin Di700A at the same time. Nissin Air 1 has the AF assist light for shooting in dark environments.

# Di700A

NEW  
2015

## Nissin Air System

- For Canon DSLR Camera
- For Nikon DSLR Camera
- For Sony DSLR Camera
- Guide Number  
[54(m)/177(ft)] (ISO100/200mm)  
[48(m)/157(ft)] (ISO100/105mm)

\*Sony version will be launched later



E-TTL II  
Canon

i-TTL  
Nikon

API,  
P-TTL  
Sony

2.4GHz  
Transmission

Color  
Display

Selector  
dial

TTL  
Compensation

Manual  
Power  
Ratio

Auto  
Zoom

Slave  
Flash  
SD/SF

Bounce  
Lighting  
Tilt & Swivel

AF  
Assist  
Light

Wireless  
TTL  
Remote

Power  
Pack

Sync  
Contact

## User Interface

Press  to start

Function set

Setting

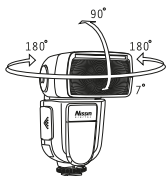


## Select dial

The Di700A features the use of a select dial to quickly move through all settings.



## Professional flash head design




It has rotating lock release buttons. Flash head rotates horizontally 180° to right and left, tilts up to 90° and expanded 7° of downward tilt, which is suitable for close up photography. It makes bounce shooting more arbitrary, with more angles that can be used.

## Focal length range coverage of 24-200mm

The auto zoom coverage has increased to 24~200mm from its predecessor. It can achieve maximum output of GN54 at 200mm.

## Wireless TTL Slave

In this mode, Di700A synchronizes to the wireless remote flash system. For remote all channel groups A/B/C in digital flash.

 Set the commander Air 1 (master unit) and flash (slave unit) with the binding setting and channel setting procedure to perform wireless shooting.

## More Features

- **Supports high-speed synchronization**  
Support up to 1/8,000 seconds shutter speed.<sup>#2</sup>  
<sup>#2</sup> The shutter speed depending on the camera.
- **Wireless TTL mode**  
Supports Canon E-TTL/ E-TTL II, Nikon i-TTL.  
Various slave settings offer flexible wireless flash combination.
- **External Service Box**
  - ① External Power Pack Socket - The Di700A supports Nissin Power Pack PS 8/ PS300.
  - ② The Di700A has Standard & 3.5mm PC sync terminal sockets are built-in for flash synchronization.
- **Battery Magazine - BM - 02**  
The new design of battery magazine perfectly matches with the stylish look of the Nissin Di700A.



\*Additional accessories are available for purchase - Battery Magazine BM-02, Nissin Power Pack PS 8.

# Air 1

NEW  
2015

## Nissin Air System

- For Canon DSLR Camera
- For Nikon DSLR Camera
- For Sony DSLR Camera

\*Sony version will be launched later



E-TTL II  
Canon

i-TTL  
Nikon

API,  
P-TTL  
Sony

2.4GHz  
Transmission

TTL  
Compensation

Manual  
Power  
Ratio

Manual  
zoom

Color  
Display

Selector  
dial

AF  
Assist  
Light

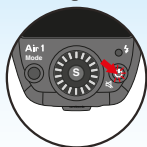
Set the commander Air 1 (master unit) and flash (slave unit) with the binding setting and channel setting procedure to perform wireless shooting.

### User Interface

Press  to start

Mode

Setting



### TTL compensation +/- 2EV

9 steps by half Ev increments for -2.0, -1.5, -1.0, -0.5, 0, +0.5, +1.0, +1.5 and +2.0 Ev

### Manual output

8 steps of Manual output  
1/128 - 1/64 - 1/32 - 1/16 - 1/8 - 1/4 - 1/2 - 1/1 (Full) power

### Manual zoom coverage 24-200mm

24mm/ 35mm/ 50mm/ 70mm/ 85mm/ 105mm/ 135mm/ 200mm

### More Features

Supports High-speed synchronization

Support up to 1/8,000 seconds shutter speed.<sup>#3</sup>

<sup>#3</sup> The shutter speed depending on the camera.

### [Specifications of Air 1]

Wireless system	Radio category
Radio specifications	2.4GHz ISM band (Obtaining technical standards conformity certification)
Channel	8 channels (channel setting in Air 1)
Flash Groups	A, B, C (3 Groups) (Group control and a specific group can stop transmitting)
Power Source	2 x AAA batteries
Batteries life (2xAAA alkaline Batteries)	Approx 3000 shoot
Function mode	TTL, Manual and Manual zoom
Continuous shooting speed	10 shots/sec
Number of flashes (Approx.)	3,000 flashes
Transmission distant	Max. 30m (Depending on the enviroment)
Flash exposure control	- 1st- Curtain synchronization, 2nd- Curtain synchronization, High-speed synchronization - Red-eye reduction, Slow synchronization (only available on Nikon Model) - FE / FV Lock (set on camera)
AF-assist beam effective range	0.7 ~ 5m
Dimensions	65(L) x 60(W) x 50(H)mm/ 2.6(L) x 2.4(W) x 2(H)inch
Weight	55g / 1.9oz (without batteries)

# i40

## POWERFUL COMPACT FLASH

- For Canon, Nikon and Sony DSLR Camera
- For 4/3 and Fujifilm Mirrorless System
- Guide Number  
[40(m)/131(ft)] (ISO100/105mm)  
[27(m)/89(ft)] (ISO100/35mm)



# Powerful co

E-TTL II  
Canon

i-TTL  
Nikon

API,  
P-TTL  
Sony

M 4/3,  
4/3  
System

Fujifilm  
System

LED  
Video  
Light

Selector  
Dial

Slave  
Flash  
SD/SF

Wireless  
TTL  
Remote

Bounce  
Lighting

Tilt &  
Swivel

Manual  
zoom

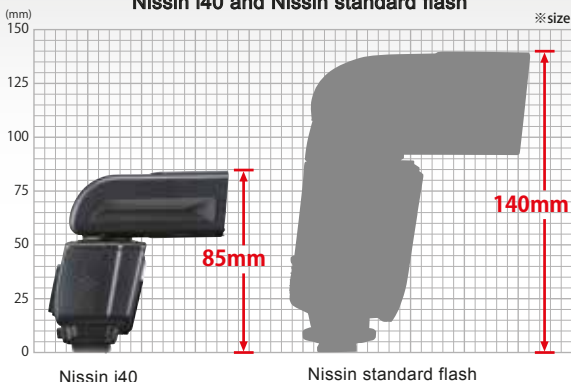
TTL  
Compensation

AF  
Assist  
Light

Auto  
Zoom

Manual  
Power  
Ratio

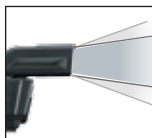
### Height comparison Nissin i40 and Nissin standard flash



**Focal length range coverage of 24-105mm •**

**Powerful output • Soft box**

The pocket size of Nissin i40 weights only 203g of weight.<sup>#5</sup> The flash output of GN40 at 105mm. The zoom range auto adjusts from 24mm-105mm (12mm-53mm for 4/3, 16-70mm for Fujifilm X-mount). The flash comes equipped with a built-in diffuser that gives a 16mm lens coverage. A Soft box is included for soften light output and reduce the shadows.



**Selector dial • Simply operation panel**

Two selector dials controls : Function dial and Power dial. The Indicator lamp will show the position of adjustment.



**LED video light**

Video light function, which has 9 steps of output level adjustment.







Only 203g of weight



# compact flash

## Professional flash head design

The flash head rotates horizontally 180° to right and left and tilts up 90° which is suitable for close up photography. This makes bounce shooting more arbitrary, with more angles that can be used.



## Four size-AA batteries

4 AA batteries to operate the i40, it can reduce the frequency of changing the batteries and reduce the recycling time.



## Metal hotshoe • Quick release button

Durable metal hotshot design (except Sony version) with quick release button, easy to install and reduce the chance of damage caused by installation.



## More Features

- (1) Supports high-speed synchronization (except Fujifilm version)  
Supports up to 1/8,000 seconds shutter speed.<sup>#6</sup>
- (2) Wireless TTL mode (except Fujifilm version)  
Various slave settings offer flexible wireless flash combination.

## Accessories included:



Soft case



Soft box



Carabiner  
(not for climbing)



Flash stand  
(with screw)

\* Focal length coverage 24-105mm which is according to 35mm CCD format. For different type camera, please check your camera instruction manual. \*

\* The pictures above are for reference only. The real object should be considered as the different flash version. \*

<sup>#4</sup> Except Fujifilm version

<sup>#5</sup> Without batteries and soft box.

<sup>#6</sup> The shutter speed depending on the camera.

# MF18

## MACRO FLASH

### MACRO FLASH

- For Canon DSLR Camera
- For Nikon DSLR Camera
- Guide Number  
[23(m)/76(ft)] (ISO200/35mm)  
[16(m)/53(ft)] (ISO100/35mm)



E-TTL II  
Canon

i-TTL  
Nikon

Color  
Display

TTL  
Compensation

A:B  
Ratio  
Left/Right

Wireless  
TTL  
Master

Modeling  
LED

My  
TTL

Power  
Pack

Sync  
Contact

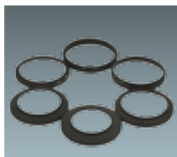
### Digital TTL

Ring flash MF18 supports Canon E-TTL/E-TTL II and Nikon i-TTL. Flash light is automatically controlled by the camera and the flash exposure value can be compensated.



### Wide range of lens mount adaptation

Extendable flash head assort with macro lens mount adaptors from 49 to 82mm. Original package included 52, 58, 62, 67, 72 and 77mm (49, 55 and 82mm are optional for purchase).<sup>#8</sup>



Lens mount adaptors



Expanded

<sup>#8</sup>MF18 for Canon / Nikon package

### User Friendly Color Display

Design of color display with auto rotating from horizontal to vertical as the flash is rotated and the user friendly six icon interface represents each of the modes of operation— Auto, TTL, Wireless TTL (Master), Fine Macro, Manual and Customer Setting.



### Modeling LED

LED focus lamp with light ratio control, makes it easy to focus on the shooting subject. The brightness reflects flash power ratio setting of left and right, the effect can be previewed.



Modeling LED switch on

### More Features

- **Metal Hotshoe**  
Durable metal hotshoe design, easy to install and reduce the chance of damage caused by installation
- **External Service Box**
  - ① External Power Pack Socket – The Ring flash MF18 supports Nissin Power Pack PS 8/ PS300.
  - ② PC Sync Terminal – The Ring flash MF18 has PC Sync Terminal socket for flash synchronization.
  - ③ USB Service Port – The Ring flash MF18 provides a USB port to upgrade to the latest firmware.



\*Additional accessories are available for purchase - Battery Magazine BM-01, Nissin Power Pack PS 8.

# Accessories

## Universal Shoe Cord SC-01



Off camera TTL Cord having multi-shoe contacts. This single cord will work with Canon and Nikon hotshoe cameras when used with an appropriate dedicated flash.

Length of cord: 30cm/12 inch when folded / 150cm/59 inch when expanded

## Battery Magazine BM-01



A battery magazine is separately available for MG8000, Di866 Mark II, Di866, Di466 and MF18. Keep one extra with your flash for an easy and quick reloading.

## Battery Magazine BM-02



A battery magazine is separately available for Di700 and Di700A. Keep one extra with your flash for an easy and quick reloading.

## Power Supply Cable (Canon/ Nikon/ Sony)



A power supply cable (Canon/ Nikon/ Sony) is separately available for Nissin Power Pack PS 8/ PS300. Keep one extra with your Power Pack for two flashes at the same time.

## Power Pack Battery - PS 8



A power pack battery is separately available for Nissin Power Pack PS 8. Keep one extra with your Power Pack for an easy and quick reloading.

# Products Specification

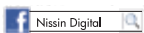
		MG8000	Di866 Mark II	Di700A	
Guide Number	Angle coverage	M / Ft	M / Ft	M / Ft	
	24mm	31/102	31/102	24/79	
	28mm	36/119	36/119	26/85	
	35mm	40/132	40/132	29/95	
	50mm	46/152	46/152	34/111	
	70mm	52/172	52/172	37/121	
	85mm	54/178	54/178	41/135	
	105mm	60/198	60/198	48/158	
	135mm	—	—	49/162	
	200mm	—	—	54/178	
Focal Length Coverage (35mm Equiv.)		24–105mm	24–105mm	24–200mm	
Wide Angle Diffuser		External Diffuser Included	18mm (Build-in)	16mm (Build-in)	
Power Source		4 x AA battery	4 x AA battery	4 x AA battery	
		※ Alkaline, NiMH			
Quick Loading System (BM-01/ BM-02)		BM-01	BM-01	BM-02	
Recycle Time	NiMH battery	0.1 – 5.5 seconds	0.1 – 5.5 seconds	0.1 – 4 seconds	
	Alkaline battery	0.1 – 5.5 seconds	0.1 – 5.5 seconds	0.1 – 4.7 seconds	
Number of Flashes	NiMH battery	150 – 1,500 times	150 – 1,500 times	200 – 1,500 times	
Flash Duration	Manual mode	1/300 (Full Power)	1/300 (Full Power)	1/800 (Full Power)	
	TTL mode	1/300 – 1/30,000 seconds	1/300 – 1/30,000 seconds	1/800 – 1/30,000 seconds	
Energy Saving	Auto power off	Off, 10, 15, 30, 45, 60 minutes	Off, 10, 15, 30, 45, 60 minutes	60 minutes	
	Stand-by mode	30 seconds	30 seconds	A/TTL/M - 2mins, SD/SF/Wireless - 5mins	
	Display off	Display screen switch off	Display screen switch off	—	
Color Temperature		5,600K	5,600K	5,600K	
Flash Power Control System	Full Auto	E-TTL, E-TTL II (for Canon)		E-TTL, E-TTL II (for Canon)	
		i-TTL (for Nikon)		i-TTL (for Nikon)	
	TTL	E-TTL, E-TTL II (for Canon)		E-TTL, E-TTL II (for Canon)	
		i-TTL (for Nikon)		i-TTL (for Nikon)	
	Auto Aperture Flash	EV compensation ± 3.0EV		EV compensation ± 3.0EV	
		F1.4–F16, 1/3EV steps		F1.4–F16, 1/3EV steps	
	Manual Power Ratio	Manual zoom, Sub-flash allowed		Manual zoom, Sub-flash allowed	
		Full – 1/128, 1/3EV steps		Full – 1/128, 1/3EV steps	
	Multi-flash	Manual zoom, Sub-flash allowed		Manual zoom, Sub-flash allowed	
		Frequency~90Hz		Frequency~90Hz	
1~90 times		1~90 times			
		Power 1/8–1/128		Power 1/8–1/128	
Wireless Remote	Slave	Digital slave		Digital slave	
		Film/ Studio slave		Film/ Studio slave	
	Wireless TTL	Master / Remote	4 Channels	Master / Remote	4 Channels
		Canon/Nikon - Groups 3 groups (A, B, C)		CTRL Canon/Nikon - Groups 3 groups (A, B, C)	
Modes: Off/ TTL/ Manual		Modes: Off/ TTL/ Manual			
		TTL Flash Ratio Adjustable For Canon		TTL Flash Ratio Adjustable For Canon	
Ev Compensation on flash		-3.0+3.0, 1/3EV steps		-3.0+3.0, 1/3EV steps	
My TTL Setting		-3.0+3.0, 1/3EV steps		-2.0+2.0, 1/2EV steps	
Bounce Function		Up: 90°, Left/Right: 90°/180°		Up: 90°, Left/Right: 90°/180°	
Sub-flash		Full–1/128		Full–1/128	
FE/FV Lock		[FEL] OR [*] Button [For Canon]			
		Set FUNC. key as FV lock function in menu [For Nikon]			
Rear curtain sync.		Yes	Yes	Yes	
High speed sync.		Yes	Yes	Yes	
Red eyes reduction mode (Nikon)		Yes	Yes	Yes	
Slow sync. mode (Nikon)		Yes	Yes	Yes	
AF Assist Light Distance		0.7 – 10m		0.7 – 6m	
Operation Control Panel		Color display (Auto rotation)		Color display (LED)	
Firmware update Terminal		USB Terminal		Exclusive Terminal	
PC sync Terminal		Yes		Yes	
External power pack socket		Nissin/ Canon/ Nikon original Power pack		Nissin/ Canon/ Nikon original Power pack	
Accessories		Soft Pouch External Diffuser Flash Stand with Tripod screw		Soft Pouch Flash Stand with Tripod screw	
Dimensions (Approx.)		148 x 78 x 127mm/ 5.8 x 3.1 x 5 inch		140 x 75 x 115 mm/ 5.5 x 3 x 4.5 inch	
Weight (Approx.)		429grams (15.1oz) w/o battery		381grams (13.4oz) w/o battery	
LED Video light		—		—	

**Notice: Flashes are not supporting film cameras**

● Design And Specifications Are Subject To Change Without Prior Notice

		i40	MF18	
<b>Guide Number</b>	<b>Angle coverage</b>	M / Ft	M / Ft	
	24mm	22/72	—	
	28mm	25/82	—	
	35mm	27/89	—	
	50mm	32/105	—	
	70mm	36/118	—	
	85mm	38/125	—	
	105mm	40/131	—	
	135mm	—	—	
	200mm	—	—	
<b>Focal Length Coverage (35mm Equiv.)</b>		24–105mm	—	
<b>Wide Angle Diffuser</b>		16mm (Build-in)	—	
<b>Power Source</b>		4 x AA battery	4 x AA battery	
<b>Quick Loading System (BM-01/ BM-02)</b>		—	BM-01	
<b>Recycle Time</b>	NiMH battery	0.1 – 4 seconds	0.1 – 5.5 seconds	
	Alkaline battery	0.1 – 4 seconds	0.1 – 5.5 seconds	
<b>Number of Flashes</b>	NiMH battery	220 – 1,700 times	120 – 800 times	
<b>Flash Duration</b>	Manual mode	1/800 (Full power)	1/300 (Full Power)	
	TTL mode	1/800 – 1/20,000 seconds	1/700 – 1/30,000 seconds	
<b>Energy Saving</b>	Auto power off	60 minutes	30 minutes	
	Stand-by mode	A/TTL/M - 2 mins, SD/SF/Wireless - 5 mins (wireless mode: not available for Fujifilm version)	30 seconds	
	Display off		Display screen switch off	
<b>Color Temperature</b>		5,600K	5,600K	
<b>Flash Power Control System</b>	<b>Full Auto</b>	E-TTL, E-TTL II (for Canon); i-TTL (for Nikon); ADJ, P-TTL (for Sony); TTL (for 4/3 & Fujifilm)	E-TTL, E-TTL II (for Canon)	
			i-TTL (for Nikon)	
	<b>TTL</b>	E-TTL, E-TTL II (for Canon); i-TTL (for Nikon); ADJ, P-TTL (for Sony); TTL (for 4/3 & Fujifilm)	E-TTL, E-TTL II (for Canon)	
			i-TTL (for Nikon)	
	<b>Auto Aperture Flash</b>	EV compensation ± 2.0EV 1/3EV steps Manual zoom	Ev compensation ± 3.0EV —	
	<b>Manual Power Ratio</b>	Full- 1/256, 1/2EV steps	Manual Full - 1/64 -2/3, 1/3 steps	
Manual zoom		Fine Macro 1/128–1/1024, 1/6 steps		
<b>Multi-flash</b>	—	—		
<b>Wireless Remote</b>	<b>Slave</b>	Digital slave	—	
		Film/ Studio slave	—	
	<b>Wireless TTL</b>	All channel Groups A/B/C (Canon & Nikon)	Master	4 Channels
		RMT all channel Groups RMT / RMT2 / RMTFM (Sony)	Canon/ Nikon-Group	
TTL all channel Groups (4/3)		Group A/C		
		Modes: Off/ TTL/ Manual		
		TTL Flash Ratio Adjustable For Canon		
<b>Ev Compensation on flash</b>		-2.0→+2.0, 1/2EV steps	-3.0→+3.0EV, 1/3EV steps	
<b>My TTL Setting</b>		-2.0→+2.0, 1/2EV steps	-3.0→+3.0EV, 1/3EV steps	
<b>Bounce Function</b>		Up: 90°, Left/Right: 180°/180°	—	
<b>Sub-flash</b>		—	—	
<b>FE/FV Lock</b>				
<b>Rear curtain sync.</b>		Yes	Yes	
<b>High speed sync.</b>		Yes (Canon, Nikon, 4/3, Sony)	Yes	
<b>Red eyes reduction mode (Nikon)</b>		Yes (Nikon, 4/3, Fujifilm)	Yes	
<b>Slow sync. mode (Nikon)</b>		Yes (Nikon, 4/3, Fujifilm)	Yes	
<b>AF Assist Light Distance</b>		0.7 – 5m	Modeling LED for macro focus	
<b>Operation Control Panel</b>		Dial	Color display (Auto rotation)	
<b>Firmware update Terminal</b>		—	USB Terminal	
<b>PC sync Terminal</b>		—	Yes	
<b>External power pack socket</b>		—	Nissin/ Canon/ Nikon original Power pack	
<b>Accessories</b>		Soft pouch, Soft box, Flash stand with tripod screw, Carabiner (NOT FOR CLIMBING)	Hard case Adaptor rings: 52, 58, 62, 67, 72 and 77mm	
<b>Dimensions (Approx.)</b>		8.5(H)×6.1(W)×8.5(D)mm/ 3.35(H)×2.4(W)×3.35(D)inch	Main body: 11.5 x 6.5 x 8.5mm/ 4.5 x 2.6 x 3.3 inch Ring flash: 120 x 134 x 41mm/ 4.7 x 5.3 x 1.6 inch	
<b>Weight (Approx.)</b>		203grams (7.16oz) w/o batteries and soft box	458grams (16.2oz) w/o battery	
<b>LED Video light</b>		9 steps of output level adjustment	—	

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