NISSIN DIGITAL

NAS Ready!
Compatible with Nissin Air System

Di700A NAS

Air 1 NAS

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)

TIPA AWARDS 2013

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).[1]

[1] 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)

Sidebar navigation:
- 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.
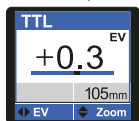

- TTL Mode
- Full Auto Mode
- Manual Setting Mode
- Multi-flash Mode
- Wireless TTL Flash Mode
- Custom Setting Mode

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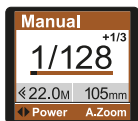
Manual: Flash power can be adjusted manually at 22 levels, from full power to 1/128 power at every 1/3 stops. The appropriate distance to the subject is shown in the display in accordance with the aperture value set on the camera.

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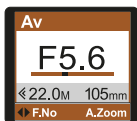
Multi Flash: Repeating flash for multi-exposure image in one frame. The power ratio can be set from 1/8 to 1/128.

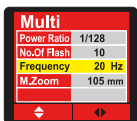| TTL	Manual	Av	Multi
+0.3 EV	1/128 +1/3	F5.6	Power Ratio 1/128 / No.Of Flash 10 / Frequency 20 Hz / M.Zoom 105 mm
105mm	22.0M 105mm	22.0M 105mm	
◀▶ EV ⬍ Zoom	◀▶ Power A.Zoom	◀▶ F.No A.Zoom	⬍ ◀▶

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.
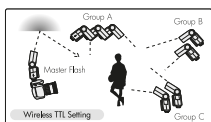
Group A   Group B
Master Flash
Wireless TTL Setting   Group C

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.

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*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 NAS

- 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

Sidebar features:
- 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
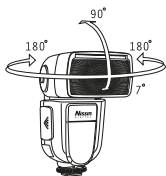- Sync Contact

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

90° / 180° / 180° / 7°

It has rotating lock release buttons. Fash 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.

NAS 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 hight-speed synchronization**
  Support up to 1/8,000 seconds shutter speed.[2]
  [2] 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

Nissin Air System NAS
- For Canon DSLR Camera
- For Nikon DSLR Camera
- For Sony DSLR Camera

*Sony version will be launched later

NEW 2015

E-TTL II Canon

i-TTL Nikon

API, P-TTL Sony

2.4GHz Transmission

TTL Compensation

Manual Power Ratio

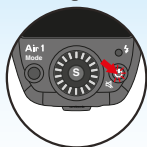Manual zoom

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.[3]

[3] 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 #4
Bounce Lighting
Tilt & Swivel
Manual zoom
TTL Compensation
AF Assist Light
Auto Zoom
Manual Power Ratio

Height comparison
Nissin i40 and Nissin standard flash

※size

85mm — Nissin i40

140mm — Nissin standard flash
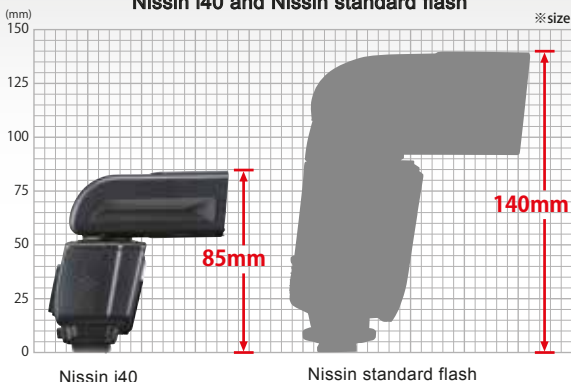
Focal length range coverage of 24-105mm •

Powerful output • Soft box

The pocket size of Nissin i40 weights only 203g of weight.#5 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.
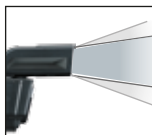
Selector dial • Simply operation panel

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

mpact 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.[#6]
(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. ∗

- -

[#4] Except Fujifilm version
[#5] Without batteries and soft box.
[#6] 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 assorts 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).[#8]
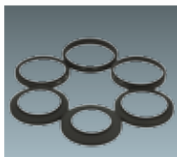
[#8] MF18 for Canon / Nikon package

Lens mount adaptors

Expended

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.
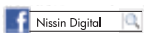
Products Specification

		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
		※ Alkaine, 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)	E-TTL, E-TTL II (for Canon)
		i-TTL (for Nikon)	i-TTL (for Nikon)	i-TTL (for Nikon)
	TTL	E-TTL,E-TTL II (for Canon)	E-TTL, E-TTL II (for Canon)	E-TTL,E-TTL II (for Canon)
		i-TTL (for Nikon)	i-TTL (for Nikon)	i-TTL (for Nikon)
		EV compensation ± 3.0EV	EV compensation ± 3.0EV	EV compensation ± 2.0EV
	Auto Aperture Flash	F1.4~F16, 1/3EV steps	F1.4~F16, 1/3EV steps	
		Manual zoom, Sub-flash allowed	Manual zoom, Sub-flash allowed	
	Manual Power Ratio	Full ~ 1/128, 1/3EV steps	Full ~ 1/128, 1/3EV steps	Full~1/128, 1/2EV steps
		Manual zoom, Sub-flash allowed	Manual zoom, Sub-flash allowed	
	Multi-flash	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	Digital slave
		Film/ Studio slave	Film/ Studio slave	Film/ Studio slave
	Wireless TTL	Master / Remote 4 Channels	Master / Remote CTRL 4 Channels	2.4GHz Wireless TTL Slave: radio transmission (NAS specifications)
		Canon/Nikon - Groups 3 groups (A, B, C)	Canon/Nikon - Groups 3 groups (A, B, C)	Optical Wireless TTL Slave (only correspond to the same brand of camera systems) Optical slave mode (SD / SF mode)
		Modes: Off/ TTL/ Manual	Modes: Off/ TTL/ Manual	All channel Groups A/B/C (Canon/ Nikon)
		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	-2.0~+2.0, 1/2EV steps
My TTL Setting		-3.0~+3.0, 1/3EV steps	-3.0~+3.0, 1/3EV steps	
Bounce Function		Up: 90˚, Left/Right: 90˚/180˚	Up: 90˚, Left/Right: 90˚/180˚	Up: 90˚, Down: -7˚, Left/ Right: 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 ~ 10m	0.7 ~ 6m
Operation Control Panel		Color display (Auto rotation)	Color display (Auto rotation)	Color display (LED)
Firmware update Terminal		USB Terminal	USB Terminal	Exclusive Terminal
PC sync Terminal		Yes	Yes	Yes
External power pack socket		Nissin/ Canon/ Nikon original Power pack	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	Soft Pouch Flash Stand with Tripod screw
Dimensions (Approx.)		148 x 78 x 127mm/ 5.8 x 3.1 x 5 inch	139 x 74 x 113mm/ 5.5 x 2.9 x 4.4 inch	140 x 75 x 115 mm/ 5.5 x 3 x 4.5 inch
Weight (Approx.)		429grams (15.1oz) w/o battery	391grams (13.8oz) 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
Guide Number	Angle coverage	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	—	—
Focal Length Coverage (35mm Equiv.)		24~105mm	—
Wide Angle Diffuser		16mm (Build-in)	—
Power Source		4 x AA battery	4 x AA battery
Quick Loading System (BM-01/ BM-02)			BM-01
Recycle Time	NiMH battery	0.1 ~ 4 seconds	0.1 ~ 5.5 seconds
	Alkaline battery	0.1 ~ 4 seconds	0.1 ~ 5.5 seconds
Number of Flashes	NiMH battery	220 ~ 1,700 times	120 ~ 800 times
Flash Duration	Manual mode	1/800 (Full power)	1/300 (Full Power)
	TTL mode	1/800 ~ 1/20,000 seconds	1/700 ~ 1/30,000 seconds
Energy Saving	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
Color Temperature		5,600K	5,600K
Flash Power Control System	Full Auto	E-TTL, E-TTL II (for Canon); i-TTL (for Nikon); ADI, P-TTL (for Sony); TTL (for 4/3 & Fujifilm)	E-TTL, E-TTL II (for Canon)
			i-TTL (for Nikon)
	TTL	E-TTL, E-TTL II (for Canon); i-TTL (for Nikon); ADI, P-TTL (for Sony); TTL (for 4/3 & Fujifilm)	E-TTL, E-TTL II (for Canon)
			i-TTL (for Nikon)
		EV compensation ± 2.0EV	Ev compensation ± 3.0EV
	Auto Aperture Flash	1/3EV steps	
		Manual zoom	
	Manual Power Ratio	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
	Multi-flash	—	—
Wireless Remote	Slave	Digital slave	—
		Film/ Studio slave	
	Wireless TTL	All channel Groups A/B/C (Canon & Nikon)	Master	4 Channels
		RMT all channel Groups RMT/ RMT2/ RMT-M (Sony)	Canon/ Nikon-Group
		TTL all channel Groups (4/3)	Group A/C
			Modes: Off/ TTL/ Manual
			TTL Flash Ratio Adjustable For Canon
Ev Compensation on flash		-2.0~+2.0, 1/2EV steps	-3.0~+3.0EV, 1/3EV steps
My TTL Setting		-2.0~+2.0, 1/2EV steps	-3.0~+3.0EV, 1/3EV steps
Bounce Function		Up: 90˚, Left/Right: 180˚/180˚	—
Sub-flash		—	—
FE/FV Lock			
Rear curtain sync.		Yes	Yes
High speed sync.		Yes (Canon, Nikon, 4/3, Sony)	Yes
Red eyes reduction mode (Nikon)		Yes (Nikon, 4/3, Fujifilm)	Yes
Slow sync. mode (Nikon)		Yes (Nikon, 4/3, Fujifilm)	Yes
AF Assist Light Distance		0.7 ~ 5m	Modeling LED for macro focus
Operation Control Panel		Dial	Color display (Auto rotation)
Firmware update Terminal		—	USB Terminal
PC sync Terminal		—	Yes
External power pack socket		—	Nissin/ Canon/ Nikon original Power pack
Accessories		Soft pouch, Soft box, Flash stand with tripod screw, Carabiner (NOT FOR CLIMBING)	Hard case Adaptor rings: 52, 58, 62, 67, 72 and 77mm
Dimensions (Approx.)		85(H)x61(W)x85(D)mm/ 3.35(H)x2.4(W)x3.35(D)inch	Main body: 115 x 65 x 85mm/ 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
Weight (Approx.)		203grams (7.16oz) w/o batteries and soft box	458grams (16.2oz) w/o battery
LED Video light		9 steps of output level adjustment	—

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