



METIS EDS GAMMA
Supported Digital Cameras
(version 2.90d)

Limitations

- The information and images contained in this manual refers to software and hardware available at the moment of the drawing up of this manual and may differ from those of current product.
- Any discrepancies between the information contained herein and the software itself could be due to upgrading or other modification.
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Nikon D850 requirements (45,4 MP Full Frame Sensor)



In order to be integrated into the EDS system the Nikon D850 camera must include the following accessories/parts:

- A standard lens such as the AF Nikkor 35 mm -f/2,0 D lens or AF-S Nikkor 24-70 mm -f/2.8G ED or **AF-S Nikkor 24-120 mm -f/4G ED VR**. Other lenses are also supported (contact Metis for further details on supported and suggested lenses).
- the Nikon original USB camera cable that is usually provided with the camera (in order to connect the camera to the EDS system). To be noted that despite the fact that the Nikon D850 is a USB 3.0 device, it can be operated at full speed even using an USB 2.0 connection (furthermore, some USB 3.0 ports on some PC may not be fully compatible with the camera while USB 2.0 ports is generally well supported).

A power supply for the Nikon D850 camera is provided with the EDS GAMMA system.

Canon 5DS requirements (50,6 MP Full Frame Sensor)

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In order to be integrated into the EDS system the Canon 5DS camera must include the following accessories/parts:

- A standard lens; such as the **Canon EF 35mm f2 IS USM** or **Canon EF 40mm f2.8 STM** or **Canon EF 50mm f1.8 STM**.
- the Canon original USB camera cable that is usually provided with the camera (in order to connect the camera to the EDS system).

A power supply for the Canon 5DS camera can be provided with the EDS GAMMA system.

Canon EOS 800/850D requirements (24MP APS-C Sensor)



In order to be integrated into the EDS system the Canon EOS 800D/850D cameras must include the following accessories/parts:

- A standard lens such as the **EF-S 18-55mm f/4-5.6 IS STM**. Other lens may be supported (contact Metis for further details on supported and suggested lens).
- **A suitable USB cable is not provided with the camera** (but is required in order to connect the camera to the EDS system) and will be delivered according to the selected camera model.

A power supply for the Canon EOS 800D/850D camera is provided with the EDS system according to the selected camera model.

Nikon D5600 requirements (24MP APS-C Sensor)



In order to be integrated into the EDS system the Nikon D5600 camera must include the following accessories/parts:

- A standard lens such as **AF-P DX Nikkor 18-55 mm -f/3.5-5.6G VR**. Other lenses were tested and are also supported (contact Metis for further details on supported and suggested lenses).
- **an USB camera cable is not provided with the camera** (but is required in order to connect the camera to the EDS system) and will be delivered by METIS.

A power supply for the Nikon D5600 camera is provided with the EDS system.

Integrated Power Supplies overview

One (1) power supply and related cable/connector is provided with each EDS system. The customer is responsible for requesting to METIS (at ordering time) the specific power supply according to the digital camera model that is intended to use in the EDS system:

NOTES:

- EDS Power supplies (for all cameras) must be connected to a suitable power source (100-240VAC 50-60hz) by preference through a multi plug power strip. Power supplies cables are arranged as described in the following pages of this manual.
- If the power cables (as seen in the previous picture) is not compatible with the kind of power socket available in your country, you must provide a suitable replacement.

1- Canon EOS 800/850D:

The Canon 800/850D power supply is coupled with a battery adapter that must be plugged into the camera instead of the battery. The external power supply for the Canon 800/850D camera, if purchased by the customer, can be ordered using the following Canon codes:

As a standalone Kit including all parts:

- ACK-E18 power adapter kit (include AC-E6 power supply and DR-E18 battery adapter)

Or in 2 separate parts:

- AC-E6 Power Supply
- DR-E18 (DC Coupler) battery adapter

This kit consist can be provided by METIS (on request); the AC-E6 power supply must be placed into the “electronic compartment” of the EDS GAMMA system while the DR-E18 battery adapter must be inserted in the battery compartment of the camera

The power supply has the following electrical specifications:

- AC INPUT - 100-240VAC 50-60hz
- DC Output 8.0V 3A



2 - Nikon D5600:

The Nikon D5600 power supply is coupled with a battery adapter that must be plugged into the camera instead of the battery. The external power supply for the Nikon D5600 camera is usually made of 2 different parts that if purchased by the customer must be ordered separately:

- The EP-5A power connector (battery adapter)
- The EH-5A -EH-5B Adapter (power supply)

This power supply can be provided by METIS (on request) and must be placed into the “electronic compartment” of the EDS GAMMA system. This power supply has the following electrical specifications:

- AC INPUT - 100-240VAC 50-60hz
- DC Output 9V 4.5A - Max Output Power: 40W



3 - Canon EOS 5Ds:

The Canon 5Ds power supply is coupled with a battery adapter that must be plugged into the camera instead of the battery. The external power supply for the Canon 5Ds camera is usually made of 2 different parts that if purchased by the customer must be ordered separately:

- The CA ACK-E6 power connector (battery adapter)
- The LC-E6 or LC-E6E Adapter (power supply)

This power supply can be provided by METIS (on request) and must be placed into the “electronic compartment” of the EDS GAMMA system. This power supply has the following electrical specifications:

- AC INPUT - 100-240VAC 50-60hz
- DC Output 8.1V 2A - Max Output Power: 17W



4 - Nikon D850:

The Nikon D850 power supply is coupled with a battery adapter that must be plugged into the camera instead of the battery. The external power supply for the Nikon D850 camera is usually made of 2 different parts that if purchased by the customer must be ordered separately:

- The EP-5B power connector (battery adapter)
- The EH-5B AC Adapter (power supply)

This power supply can be provided by METIS (on request) and must be placed into the “electronic compartment” of the EDS GAMMA system. This power supply has the following electrical specifications:

- AC INPUT - 100-240VAC 50-60hz
- DC Output 9V 4.5A - Max Output Power: 40W



Important notes on connecting the Digital Camera over a USB 3.0 port on the PC:

Latest Canon/Nikon camera (e.g., Nikon D850 and Canon 5Ds) are provided with a native USB 3.0 connection and are also backward compatible to the USB 2.0. Therefore, these new cameras can be connected to the PC either using a standard USB 2.0 port either using a newer USB 3.0 port. Despite USB 3.0 is generally much faster respect to USB 2.0, controlling the camera from the EDS software over a USB 3.0 port will not provide higher performances or higher shooting rate respect to connecting to a standard USB 2.0 port because image files are not buffered on the camera SD memory and therefore transferring Gigabytes of data is never required. We therefore suggest, when possible, to always connect the camera to a USB 2.0 port instead of using a USB 3.0 port because sometime USB 3.0 connection may result more unstable and may also cause the camera to “burn/damage” the PC port because of the high power required during high-speed communication. For more details refer to this article: <https://www.tetherTools.com/plugging-in/why-does-my-usb-3-0-connection-fail/>.

Because of this issue, if the PC is not provided with an USB 2.0 port, it's anyway not suggested to connect the digital camera directly to the USB 3.0 port of the PC; it's instead strongly suggested to use a specifically designed “power regulator” between the camera cable and the PC port like the one in the following picture (“ThetherBoost Controller” available at www.tetherTools.com). Using such device should minimize the risk of encountering problems while connecting the Digital Camera to a USB 3.0 port of the PC.



The “ThetherBoost Controller” can be provided directly by METIS while ordering the EDS Gamma (on customer request and at additional cost).

