What is iBlueDrive technology?

iBlueDrive® is a technology (developed by DCM Sistemes) which allows us to integrate a complete intelligent micro strobe controller inside the lights. Work in strobe mode almost as easily as in continuous. Only a 3-terminal cable and a trigger is needed to power and control the lighting.
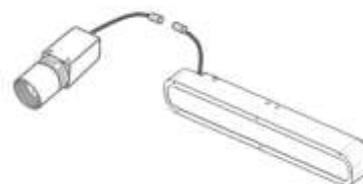
Just Plug and Play

iBlueDrive technology operates with a new intelligent working 'i-mode', which allows automatic switching between continuous, powered and strobe working modes.

iBlueDrive lights have only a single multifunctional control terminal, whether they are monochrome, RGBs or multisector device.

Connection can be done directly to the camera or to the trigger signal such as photocell, inductive sensor, automaton output, etc.

It is possible to use either PNP and NPN trigger signals to control the light. The device will automatically detect which type of signal you are using so no presetting is needed.

More Power. More Light

Lighting systems with iBlueDrive technology set its maximum output power according to the operating mode, no matter if it is strobe, powered or continuous mode, being unnecessary to configure or change anything in the device. Thanks to its revolutionary design it can output between 600%-800% more power than in continuous mode when working in strobe mode.

Integrating iBlueDrive lights in your system

Sometimes it is useful to have access to the light configuration through the main control panel. APIs has been developed in both Python and C# to simplify the integration of the iBlueDrive lights into your system. They are released under MIT License so it is possible to include them in proprietary software.

Fast Applications? No Worries!

iBlueDrive devices can be triggered up to 5.000fps. Moreover, delays due to wiring are reduced to its lowest thanks to the controller which is contained inside the light, reducing the length of the cables and, thus, the inductivity. These facts make iBlueDrive devices suitable for very fast applications. Synchronization has never been this easy.

Photometric Stereo Ready

No complex wiring or multiple-output controller is needed anymore. With iBlueDrive 'Bulk Trigger' functionality you will be able to capture multiple pictures of the same part under different lighting conditions using a single trigger signal. Just share the train pulse to all the involved lights and configure the order in which you want them to be turned on. Check our multisector and multispectral devices.

The Right Choice

With iBlueDrive devices you will save start-up costs both in programming and installing. Moreover, an iBlueDrive system is more economical than a conventional equivalent system plus its strobe controller.