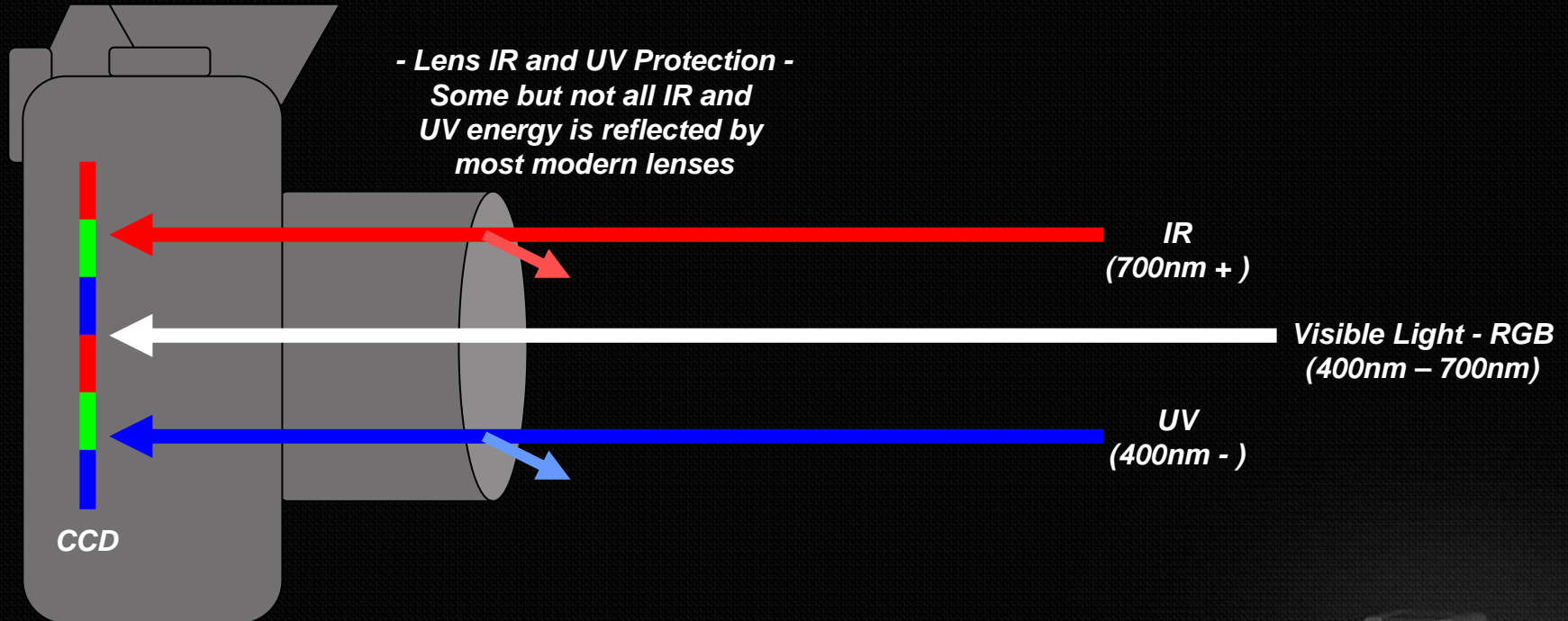


No Lens Filtration

IS Pro
UV/IR



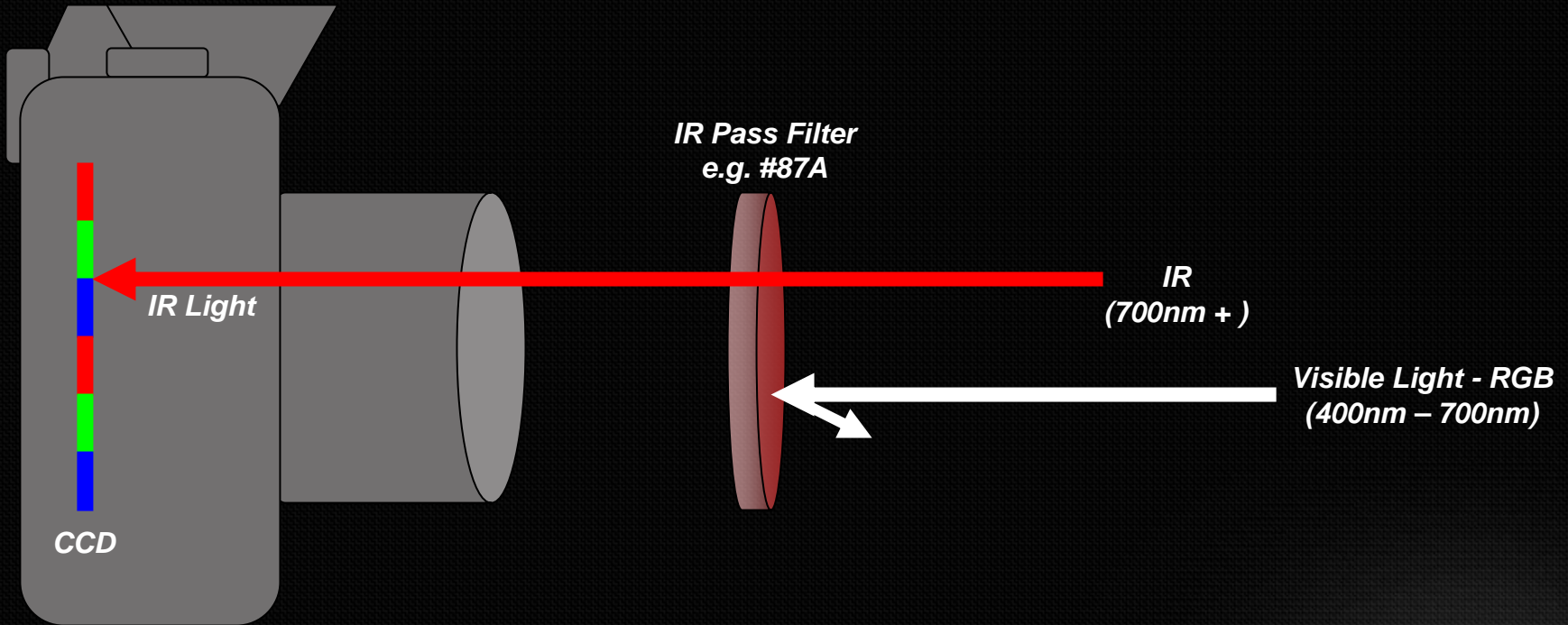
The camera's CCD sees UV, visible and IR energy. As a result of the presence of both UV and IR unfocused light energy and the image may appear soft and reddish.

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Using IR Filters

IS Pro
UV/IR



Only IR light will pass depending on the wavelength selected by the specific IR filter used. As a result of the presence of unfocused IR light energy, and the image may appear soft and reddish.

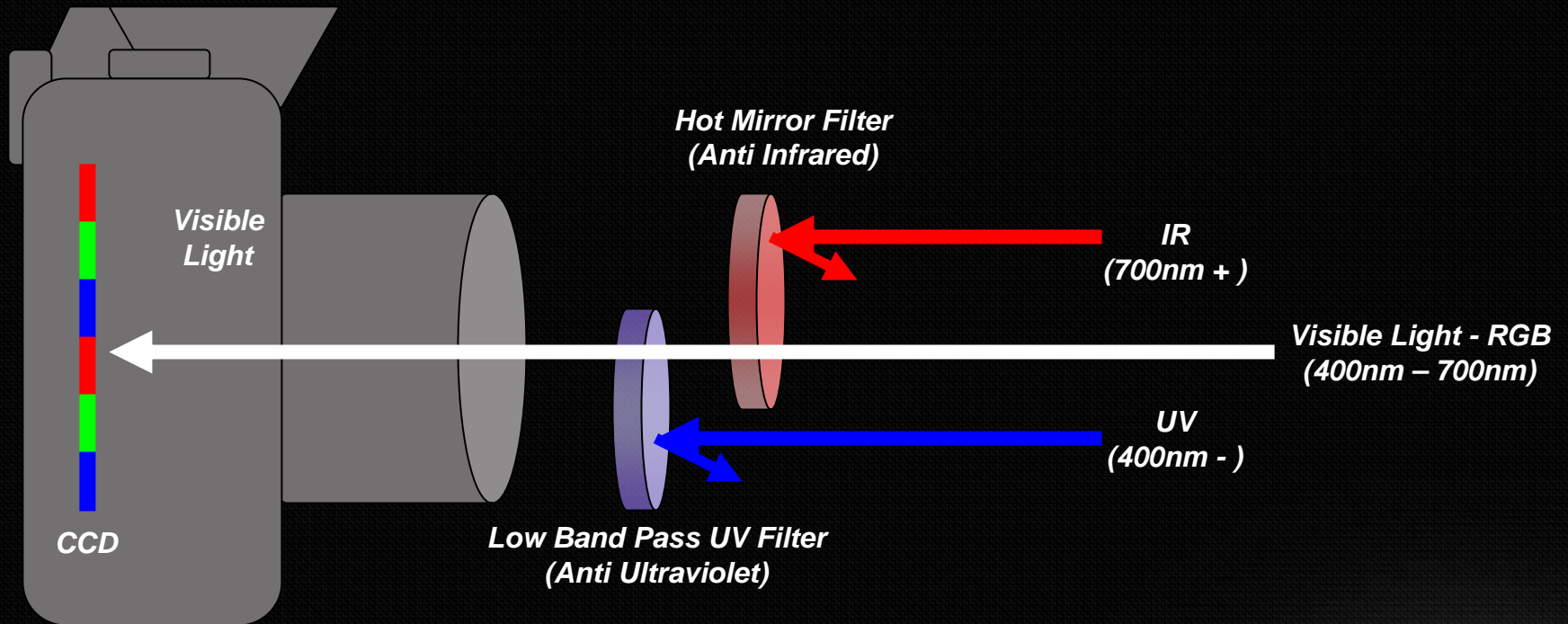
Many IR filters are available which pass specific or multiple bands of IR light.

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Using Hot Mirror (IR) & UV Protection Filters

IS Pro
UV/IR



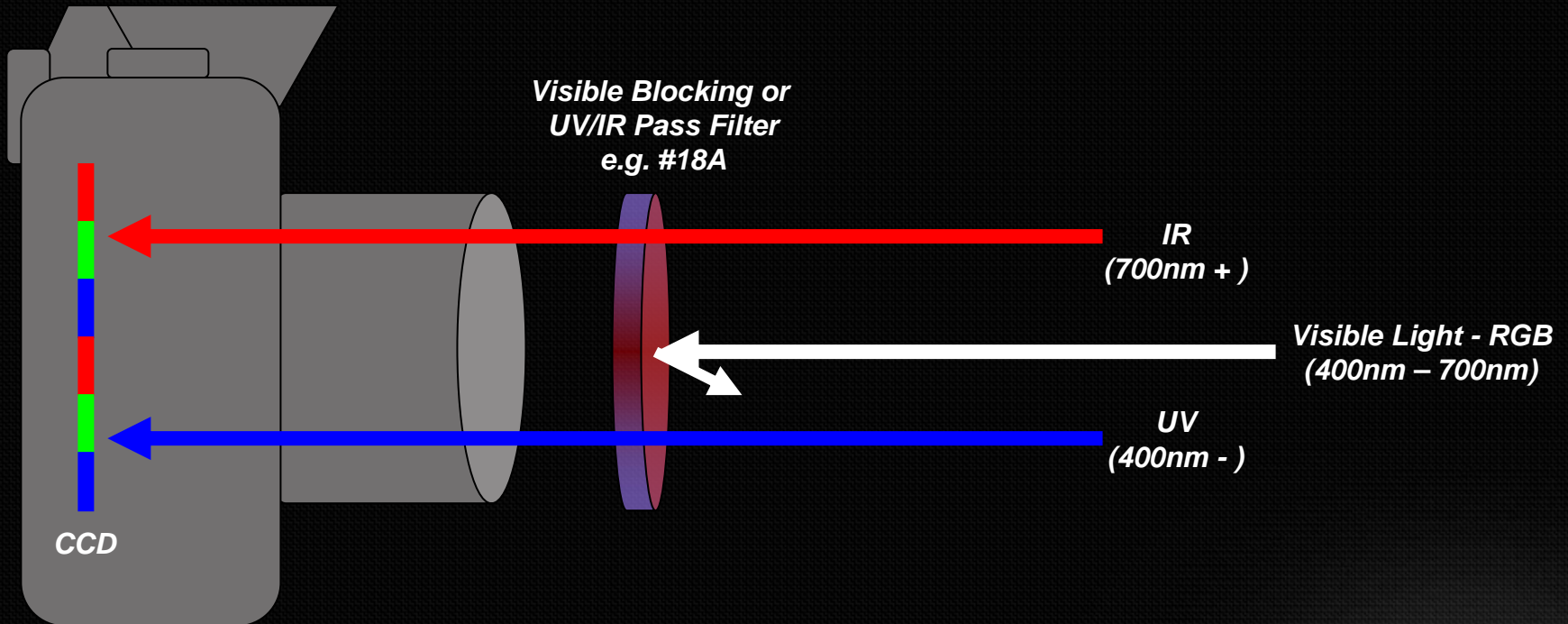
Nearly all IR and UV can be removed, allowing the camera to be used like a standard Visible Light DSLR. Color may still be shifted to the red.

IR / UV combination filters are available as a single filter. For example, the Peca #916 filter which does not block by means of absorption, but by interference of the unwanted UV and IR radiation on both sides of the visible spectrum with a steep cut-off.

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Using Visible Light Blocking Filters

IS Pro
UV/IR



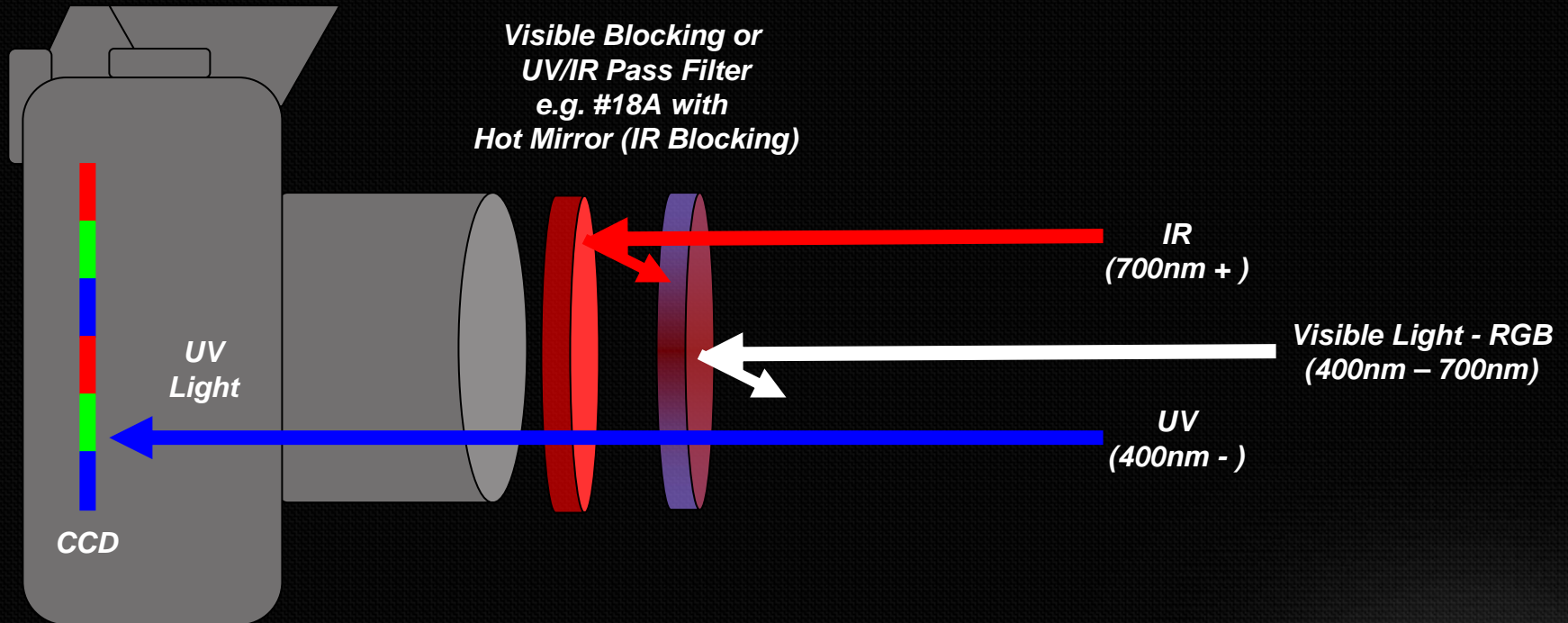
All visible light can be removed, allowing the camera to only see combined UV and IR light energy. Because of the presence of both IR and UV light the image may appear soft with a purple tint.

For example the Peca #900 UV filter passes UV A radiation, and some IR but blocks visible light and looks pitch-black to our eyes.

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Recording UV Only

IS Pro
UV/IR



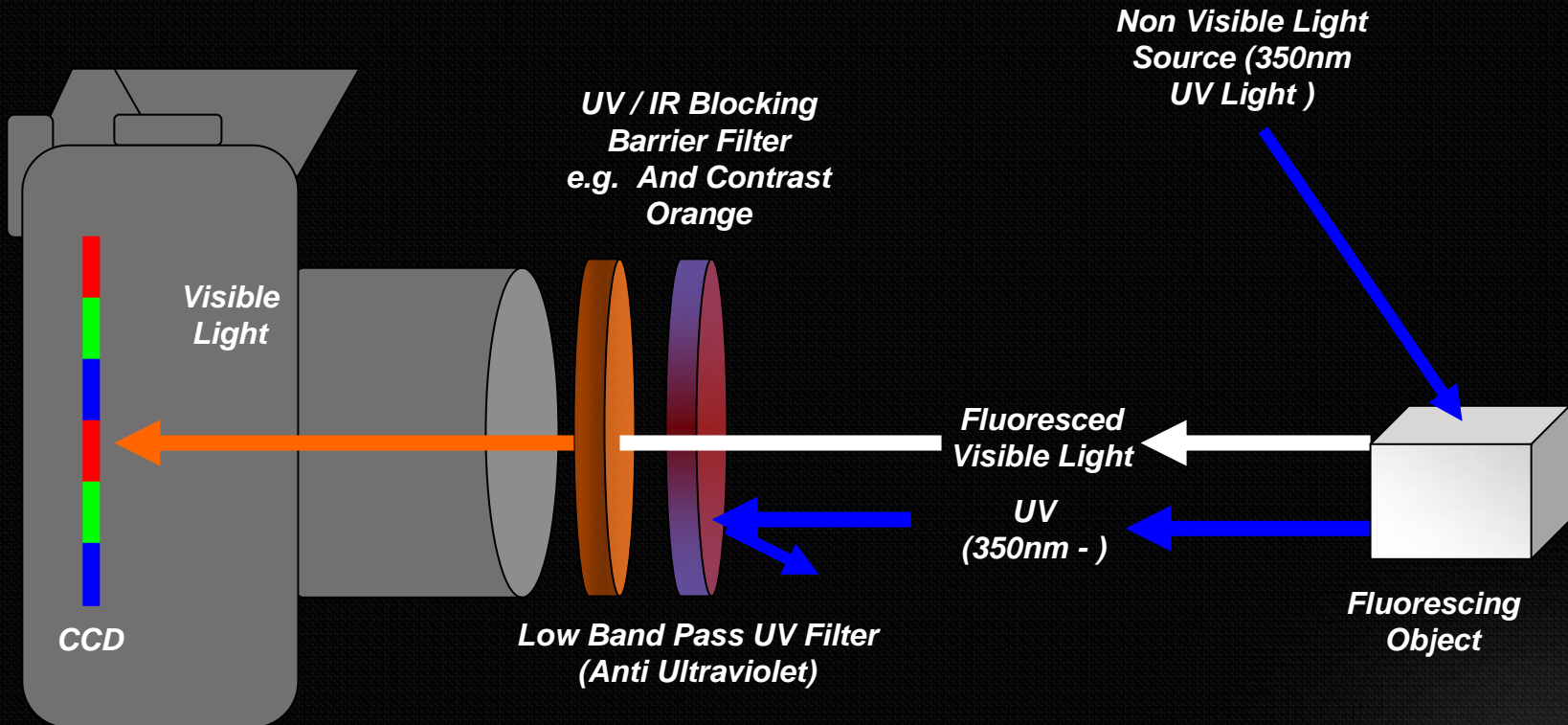
All visible light can be removed, allowing the camera to only see combined UV and IR light energy. By adding a hot mirror to the 18a filter (18a passes both IR and UV but no visible light). The camera will see only pure UV light.

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Recording Fluorescing Subjects - Visible *IS Pro*

UV/IR

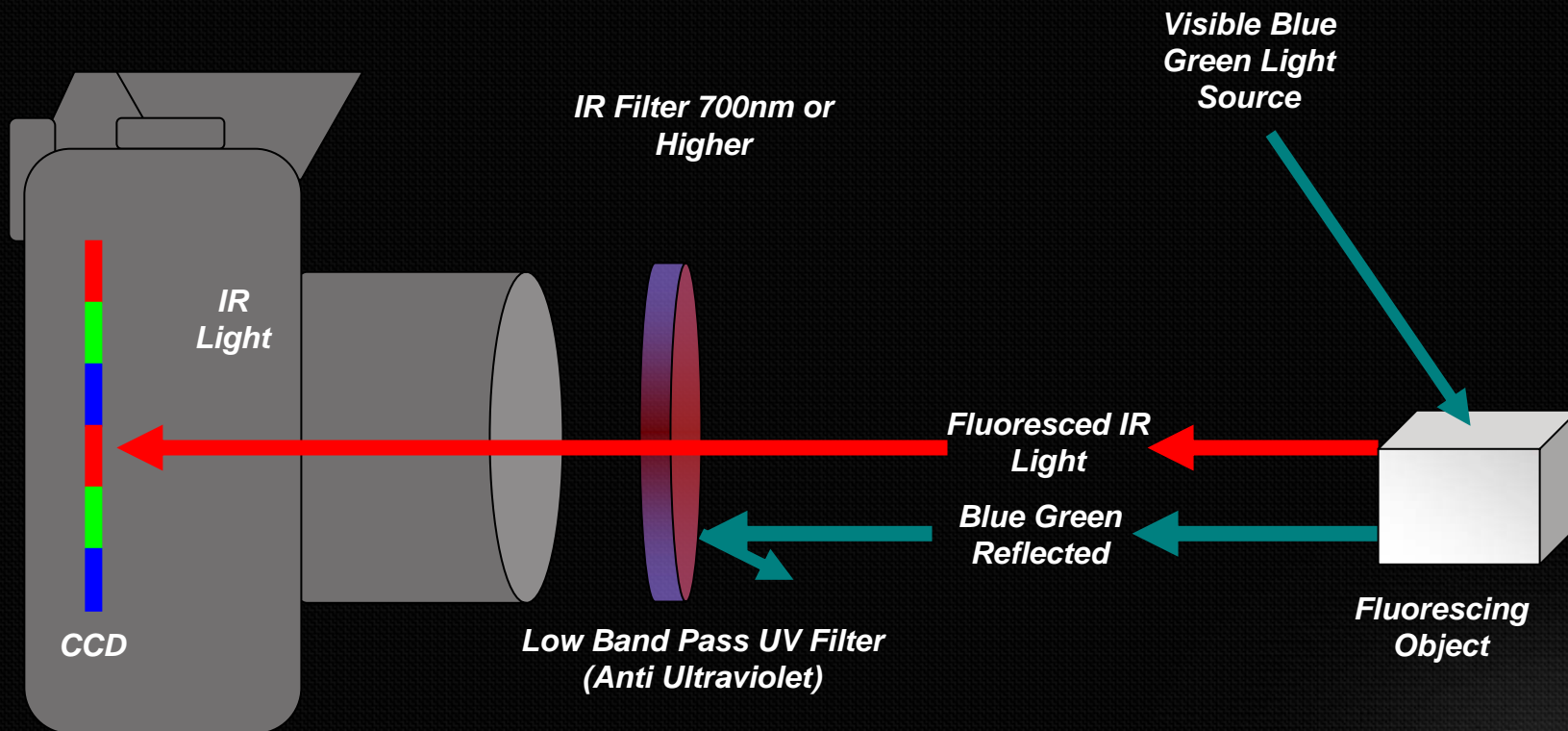


When photographing an object that fluoresces from energy gained in the presence of UV or IR light, you need to remove the projected wavelength from entering the camera's lens. This allows you to record just the fluorescing object which usually emits visible light as a product of "fluorescing".

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Recording Fluorescing Subjects IR

IS Pro
UV/IR



When photographing an object that fluoresces from energy gained in the presence of visible light, you need to remove the projected wavelength from entering the camera's lens. This allows you to record just the fluorescing object which usually emits visible light as a product of "fluorescing".

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