

Camera Day/Night Mode Adjustment



Day light is with visible lights and IR lights. Human eyes cannot see IR lights, but COMS can, so the color of image from COMS is red. In order to let image match to what people see, camera needs IR cut filter for day light.

Day light with IR-Cut filter



Day light without IR-Cut filter



At night, camera needs IR light to enhance the image. IR-cut filter is between lens and sensor, so the IR light will be blocked. Therefore, IR-cut filter should be on at day time and off at night time.

With IR LED at Night



Without IR LED at Night



Photo sensor can detect lights but the timing of the day/night mode switch is fixed. If user wants to adjust the timing of the day/night mode, use can adjust the timing manually in the camera web UI.

Photo Sensor



Web UI



Current Value

Night Mode Threshold (0 ~ 10000)

Day Mode Threshold (0 ~ 10000)

Go to **Video=>Exposure=>Others=>IR-Cut**

The screenshot displays the web interface for configuring a video camera. On the left is a navigation menu with categories: Configuration, Network, Video (selected), Audio, Event, Storage, RS-485, System, Status, and Video Analytics. The main content area is titled 'Video' and has sub-tabs for Video Profile, Exposure (selected), Image, WDR, Overlay, Focus, and Privacy Masks. A live video feed shows an indoor hallway. Below the feed are two sections: 'Exposure Setting' with 'Exposure Mode' set to 'Auto', and 'Others' with 'Mode' set to 'Auto', 'Auto White Balance' set to 'Enable', 'IR-Cut' set to 'Auto' with 'Photo Sensor' selected, and 'ICR Delay Time' set to '5s'. There are also radio buttons for 'indoor', 'outdoor', 'AlwaysON', and 'AlwaysOFF', and a time range selector set to 'From: 00:00 To: 23:59 Day'. 'Apply' and 'Cancel' buttons are at the bottom.

In the IR-Cut, select **Manual** and click **Apply** button.

Others


Mode: indoor outdoor Auto

Auto White Balance: ▼

IR-Cut: Auto ▼ AlwaysON AlwaysOFF

Schedule From: : To: :

ICR Delay Time: ▼





Current Value

Night Mode Threshold (0 ~ 10000)

Day Mode Threshold (0 ~ 10000)

Please click “Apply” to save the setting to the camera. It needs to be done each adjustment. Otherwise, the setting won’t be working.

ICR Delay Time: 

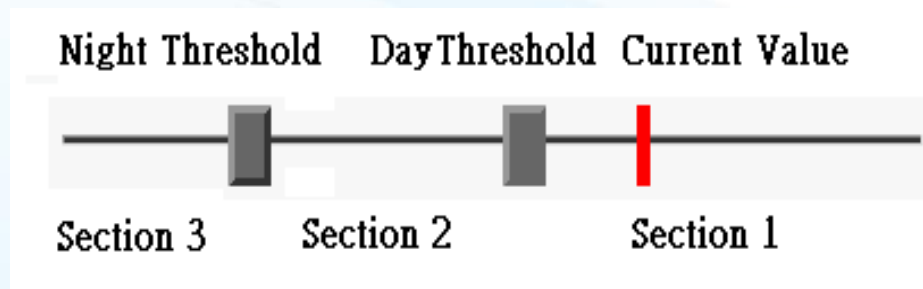


Current Value

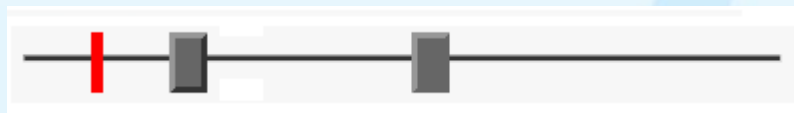
Night Mode Threshold (0 ~ 10000)

Day Mode Threshold (0 ~ 10000)

- A. Red bar: the current light value
- B. Night mode threshold: When the red bar is at the left side of night mode threshold, camera will be at the night mode.(Section 3)
- C. Day mode threshold: When the red bar is at the right side of day mode threshold, camera will be at the day mode. (Section 1)



B. Night Mode

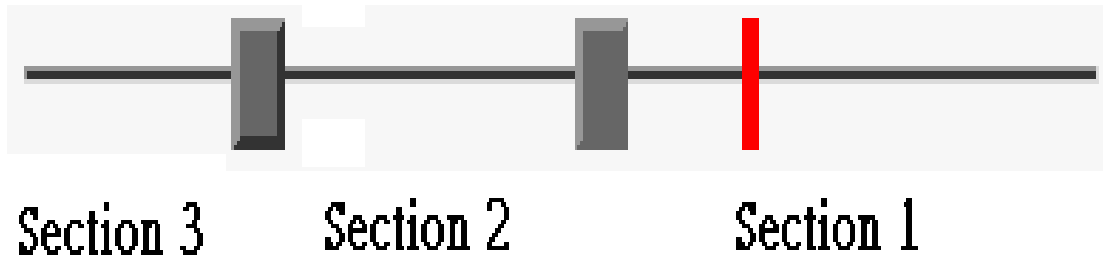


C. Day Mode

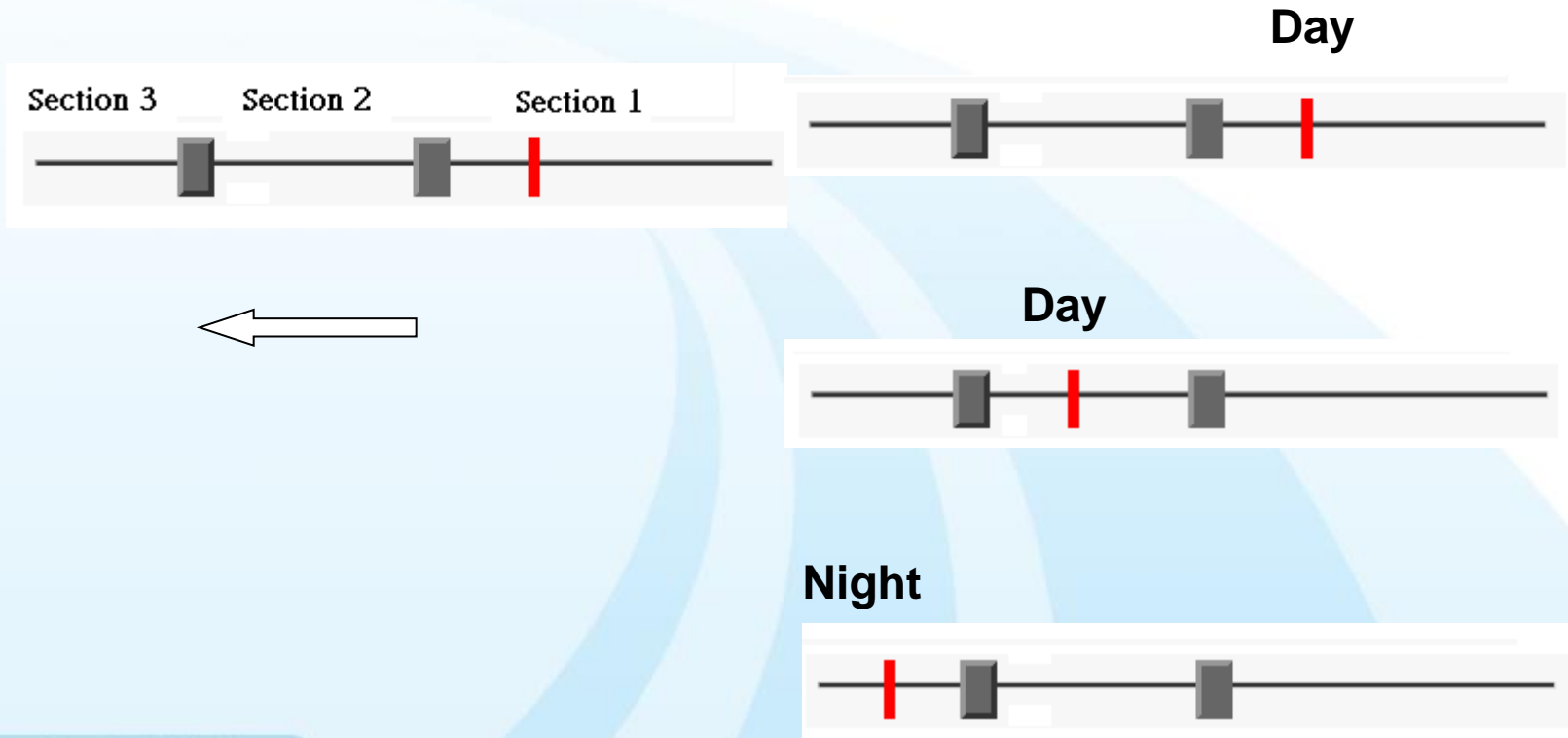


- A. Red bar: the current light value
- B. Night mode threshold: When the red bar is at the left side of night mode threshold, camera will be at the night mode.(Section 3)
- C. Day mode threshold: When the red bar is at the right side of day mode threshold, camera will be at the day mode. (Section 1)

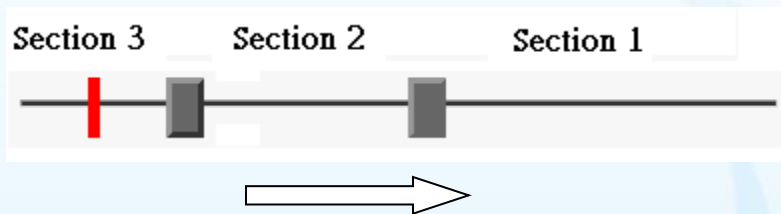
Night Threshold DayThreshold Current Value



When camera is from day to night, the red bar will go from section 1 to section 3. Section 1 is at day mode. Section 2 is at day mode. Section 3 is at night mode.



When camera is from night to day, the red bar will go from section 3 to section 1, Section 3 is at night mode. Section 2 is at night mode. Section 1 is at day mode.



Night



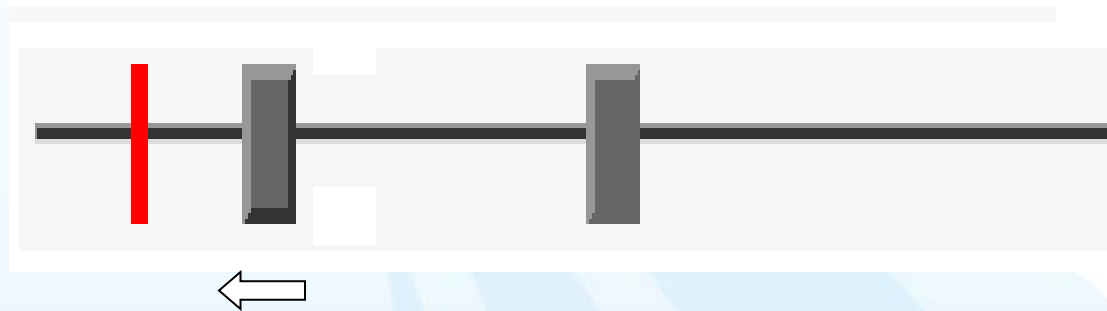
Night



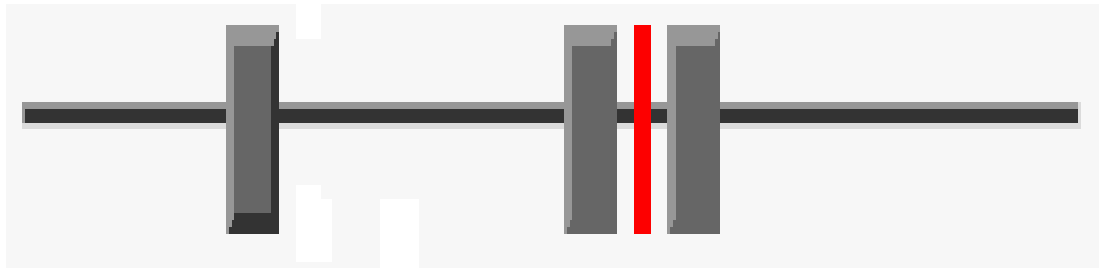
Day



If user wants to postpone the timing of the day mode time, please adjust night mode threshold to the left.



If the camera keeps switching between the day and night mode, please adjust the day mode threshold to the right side of the red bar.



If user wants the current light is at day mode, please adjust the night mode threshold to the left side of the red bar.



If user wants the current light is at night mode, please adjust the night mode threshold to the right side of the red bar.





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