

Daytime settings

- Auto-Exposure Brightness** 50 - 160. Changes the amount of light in the image. Low value = dark; high value = bright. Only works with auto-exposure.
- Delay** 30000 Delay between daytime images in milliseconds. 1000ms = 1 sec.

Nighttime settings

- Auto-Exposure** No Yes Activate to enable nighttime auto-exposure.
- Max Auto-Exposure** 30000 Maximum nighttime auto-exposure time in ms (1000ms = 1 sec). Only applies if 'Auto-Exposure' is enabled.
- Manual Exposure** 10000 Manual nighttime exposure time in ms (1000ms = 1 sec). If using auto-exposure, this number is used as a starting point.
- Auto-Exposure Brightness** 100 50 - 160. Changes the amount of light in the image. Low value = dark; high value = bright. Only works with auto-exposure.
- Delay** 5000 Delay between nighttime images in milliseconds (1000ms = 1 sec).
- Gain** 120 Manually set the gain (light sensitivity). Starts at 0. A high value returns a brighter image but more noise too. Not used for daytime (is 0).
- Binning** 2x2 1 = binning OFF (1x1), 2 = 2x2 binning, 4 = 4x4 binning. Check available binning modes for your camera.

Both daytime and nighttime settings

- Image Width** 0 Image width in pixels. 0 = max width.
- Image Height** 0 Image height in pixels. 0 = max height.
- Gamma** 50 0 to 100. Changes the difference between light and dark areas. A high value increases contrast. *Not supported on all cameras.*
- Auto White Balance** No Yes Sets Auto White Balance.
- Red Balance** 53 Red component for the white balance. When using auto white balance, this number is a starting point.
- Blue Balance** 90 Blue component for the white balance. When using auto white balance, this number is a starting point.

Quality	95	Range for a PNG image: 0-9. Range for a JPG image: 0-100. Higher numbers produce larger, clearer files.
Flip	No flipping	Select a flipping option if you want to reverse the image along an axis.

Image overlay settings

Time	No Yes	Activate to display the time on the overlay. Combine with Text X and Text Y for placement of ALL overlay options.
Time Format	%d.%m.%Y %H:%	Determines the format of the displayed time. Run 'man 3 strftime' to see the options.
Show Temperature	No Yes	Activate to display the camera sensor temperature on the overlay.
Temperature Units	Celcius	Unit(s) to display temperature in.
Show Exposure	No Yes	Activate to display the exposure length on the overlay. If Auto-Exposure is set, '(auto)' will appear after the exposure time.
Show Gain	No Yes	Activate to display the camera gain on the overlay. If Auto-Gain is set, '(auto)' will appear after the gain value.
Show Brightness	No Yes	Activate to display the Brightness value on the overlay.
Text Overlay	MucheIndorf Obsel	Text that appears below the optional time with the same color and size.
Extra Text File		Extra Text File (enter full path to the file). Leave blank if NOT using an extra text file.
Max Age Of Extra	600	The maximum age of the extra text file in seconds. After this time the contents of the file will no longer be displayed. Set to 0 to always display.
Line Height	60	The line height of the text in pixels. If increasing the font size causes the text to overlap then increase this value.
Text X	15	Text placement horizontal from LEFT in pixels.
Text Y	85	Text placement vertical from TOP in pixels.
Font Name	Simplex	Font name for the text overlay. Used for both large and small text.
Font Color	255 255 255	Blue, Green, and Red (BGR) values of text color. 0 to 255 for each channel. NOTE: When using RAW 16 only the first two values are used i.e., 255 128 0.
Small Font Color	0 0 255	BGR value of text color. 0 to 255 for each channel. NOTE: When using RAW 16 only the first two values are used i.e., 255 128 0.
Font Smoothness	Antialiased	Choose between smooth font lines (antialiased), 8-pixel, or 4 pixel connectivity (harder edges).
Font Size	15	Text Font Size. The time, if displayed, will use this size; other text displayed will be about 20% smaller.

Font Weight

Text Font Line Thickness.

Use Outline Font

 No Yes

Adds a black outline to the text overlay to improve contrast.

Other settings

Notification Images

 No Yes

Activate to display notification images, e.g., 'Camera is off during the day'.

Cooling

 No Yes

Activate to use cooling (works only on cooled cameras).

Target Temp.

Sensor's target temperature *when cooler is enabled* (degrees Celsius).

Latitude

Latitude of the camera. Needs a number (0 to 90) and direction (N or S). Ex: 60.7N.

Longitude

Longitude of the camera. Needs a number (0 to 180) and direction (E or W). Ex: 135.05W.

Angle

Altitude of the Sun in degrees relative to the horizon at which to switch between day and night.

Dark Frame

 No Yes

Activate to capture dark frames. This mode hides text and time overlays.

Will continually take dark frames until restarted.

Locale

Your locale, used to determine what the thousands and decimal separators are.

Type 'locale' at a command prompt to see your choices (use the LC_NUMERIC entry).

Debug Level

Debug level, 0 is lowest level.

Save changes

Reset to default values

Show advanced options

Restart Allsky after saving changes?