

## Camera pulsing-light effect correction:

IP cameras include an exposure setting that inhibits the tight synchronization of camera imager sensor line scanning and the native electrical distribution of AC frequency, ie:

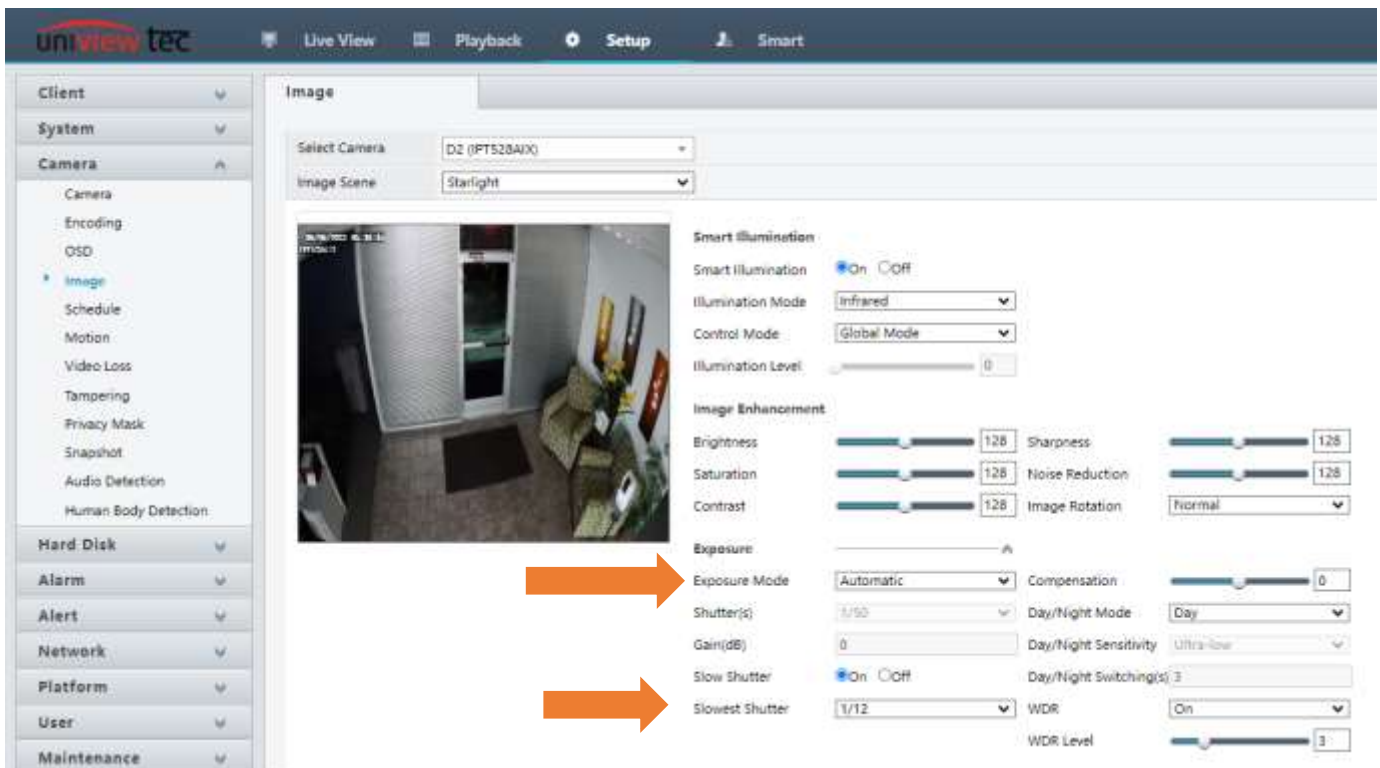
50 Hz: Common to Europe and most of Asia

60 Hz: Common to North America

The fast-scanning rate of the imager can sometimes be seen in cameras if the exposure point matches the wrong frequency, this Tech Notes will cover how to access camera's Exposure Mode & Shutter rate to fix this issue.

## Using web-browser: (Exposure Mode and Shutter)

1. Login to recorder via web-browser and access **Setup >> Camera >> Image**



The screenshot shows the uniview tec web interface. The left sidebar contains a navigation menu with the following items: Client, System, Camera, Encoding, OSD, Image (selected), Schedule, Motion, Video Loss, Tampering, Privacy Mask, Snapshot, Audio Detection, Human Body Detection, Hard Disk, Alarm, Alert, Network, Platform, User, and Maintenance. The main area is titled 'Image' and contains a 'Select Camera' dropdown set to 'D2 (PT528A)(X)' and an 'Image Scene' dropdown set to 'Starlight'. Below these is a live video feed of a hallway. To the right of the video feed are several configuration sections: 'Smart Illumination' (Smart Illumination: On, Illumination Mode: Infrared, Control Mode: Global Mode, Illumination Level: 0), 'Image Enhancement' (Brightness, Saturation, Contrast, Sharpness, Noise Reduction, Image Rotation), 'Exposure' (Exposure Mode: Automatic, Shutter(s): 1/50, Gain(dB): 0, Slow Shutter: On, Slowest Shutter: 1/12), 'Compensation' (Compensation: 0, Day/Night Mode: Day, Day/Night Sensitivity: Ultra-low, Day/Night Switching(s): 3), and 'WDR' (WDR: On, WDR Level: 3). Two orange arrows point from the 'Image' menu item in the sidebar to the 'Exposure' section.

2. Exposure Mode should be set to either Automatic or Indoor 60Hz when that is the case. Shutter should also be considered when needed to adjust rate based on what works best for your camera's field of view.

### Using Recorder Interface: (Exposure Mode and Shutter)

1. Navigate to Main **Menu** >> **Camera** >> **Image**, to get the interface where you can control Exposure Mode and Shutter rates

