

FrameScan V3.3

Fonctionnalités



General Functions :

- Automatization of processing step by step
- Management of the sample : subjects/locations/times of measurements
- Simultaneous management of Regions Of Interest (ROI - max 30 per image)
- Management and creation of different calculated images : Channels R, V, B ; Brightness images, images of pigmentation and vascularization, ...)
- Management of the analysis parameters for all times of measurement for each subjects
- Configuration of each analysis for automatization
- Automatic storage of ROI images and steps of the processing (for illustration/iconography)
- Compatibility Windows 7&8.x and 10

Main Analysis :

- **Color:** Color analysis of the skin (local/Global)
 - **Parameters** : RVB and CIELab, ITA°)
- **Color/Morpho Spots:** Analysis of the color and morphology of spots (acne, pigmentary spots, blemishes...)
 - **Parameters** : Color RVB and CIELab, ITA° of the spot and skin, DeltaE, Contrast - Morphology : surface, perimeter, regularity of the edge, homogeneity in the spot)
- **Skin homogeneity:** Analysis of the homogeneity of the skin and global intensity of the vascularization or pigmentation (Respectively on calculated images of the vascular and pigment component). Analysis of the skin texture (On brightness images calculated from Crossed and parallel polarized lighting).
 - **Parameters** : Global Homogeneity and Entropy, density, number of blemishes/spots/lesions, mean surface, occupancy rate.
- **Brightness/Texture of the skin:** Calculation of the brightness images (from crossed and parallel photographs. Analysis of the brightness : Specular (Oily aspect) and diffused (Satin aspect) reflection of the light. The texture can be evaluate on these images by the quantification of contrasts linked to the microrelief (lines, pores, ...)
- **Color Follow-up** : Follow-up of a selective color onto the skin. Measurement of the occupancy rate of a pigmented product : Lipsticks, foundation cream, eye-liner...etc

- **Visibility of Wrinkles** : Quantification of the wrinkle appearance related to the clinical perception. Analysis on parallel polarized light acquisitions. Forehead, crow's feet, mouth, peri-ocular...
 - **Parameters** : Number of wrinkles, surface, density (contrast versus the surrounding skin), Calculation of the "Visibility index".

Optional module :

- Lashes module : Analysis of lashes for the makeup and care products for the evaluation of the products
 - **Parameters** : Number of lashes (on the full superior lid), length, diameter, volume. Possibility to calculate the curvature and elevation of lashes (Specific incidence for the acquisition)