

Dataset Comparison Summary



can you make a table for comparison of 3 datasets □ The ISIC 2020 dataset, PH2 dataset, □ HAM10000 Dataset

Sure! Here is a comparison table of the **ISIC 2020**, **PH2**, and **HAM10000** datasets:

Feature	ISIC 2020 Dataset	PH2 Dataset	HAM10000 Dataset
Purpose	Skin cancer detection (melanoma)	Dermoscopic image analysis for melanoma detection	Skin lesion classification
Number of Images	~33,126 images	200 images	10,015 images
Image Type	Dermoscopic images	Dermoscopic images	Dermoscopic images
Annotations	Binary classification (melanoma vs. non-melanoma)	Benign, atypical, and melanoma lesions	Multi-class (7 categories)
Labels	Melanoma, non-melanoma	Benign, atypical, melanoma	Actinic keratosis, Basal cell carcinoma, Benign keratosis-like lesions, Dermatofibroma, Melanocytic nevi, Vascular lesions, and Melanoma
Resolution	Varies	768 × 560 pixels	600 × 450 pixels (average)
Public Availability	Available via Kaggle	Available via official PH2 database	Available via ISIC archive
Challenges	Class imbalance, real-world clinical data	Small dataset size	Variability in lesion types, class imbalance
Metadata	Includes patient-level metadata	Limited metadata	Contains metadata like age, sex, and location of the lesion

Would you like any modifications or additional details? 😊