



DOTCHECK

Model Card

Holdout numbers for the live engines

VERSION	Docs v2026.10
DATE	3 September 2026
ENGINES	Vermeer · Valla · Muybridge · Helmholtz

The figures in this document come from held-out test sets. They estimate how AI-like content looks under our models — they are not proof of authenticity.

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dotcheck.ai/docs

Score 0–1. Higher = more AI-like. Held-out estimate, not proof. Same engines on Free, Premium, and Pro.

Engines

MEDIA	ENGINE	STACK
Image	Vermeer@14.2 (inhouse@14)	Niepce 13.14 + Janssen 6.6
Text	Valla@14.3 (inhouse-text@14)	Rask + Comenius + named tiny; Ma Jianzhong (ZH)
Video	Muybridge@4.4 (inhouse-video@4)	Plateau 3.8 + Blau 1.4 · stamp-cap
Audio	Helmholtz@3.1 (inhouse-audio@3)	Helmholtz trained head

Results

MEDIA	REAL MEAN	AI MEAN	BAL. ACC.	N
Image	0.025	0.983	0.9924	197 / 200
Text EN	0.029	0.984	0.979	RAID-lite
Video	0.022	0.976	0.9859	602 / 180
Audio	0.018	0.989	0.995	holdout

Image — Vermeer@14.2

Cut 0.5. Wiki reals / held-out AI.

WHAT WE MEASURED	TARGET	RESULT	PASS
Average score on real photos	≤ 0.12	0.025	YES
Average score on AI images	≥ 0.88	0.983	YES
Gap between AI and real averages	≥ 0.55	0.958	YES
Balanced accuracy at our threshold	≥ 0.92	0.9924	YES

Text — Valla@14.3

English: Rask + Comenius + Sweet. RAID-lite public exam.

WHAT WE MEASURED	TARGET	RESULT	PASS
Average score on human text	≤ 0.12	0.029	YES
Average score on AI text	≥ 0.85	0.984	YES
Balanced accuracy at our threshold	≥ 0.90	0.979	YES

Other languages. Same pass floors as English. ZH = Simplified only.

LANG	ARCHITECTURE	HUMAN MEAN	AI MEAN	BAL. ACC.
Chinese	Ma Jianzhong	0.047	0.922	0.954
Spanish	Rask + Comenius + Bello	0.029	0.993	0.982
French	Rask + Comenius + Littre	0.021	0.990	0.978
Portuguese	Rask + Comenius + Ribeiro	0.042	0.964	0.958
German	Rask + Comenius + Grimm	0.034	0.966	0.978
Italian	Rask + Comenius + Ascoli	0.016	0.943	0.972
Dutch	Rask + Comenius + Vries	0.056	0.963	0.950

Wires: inhouse-text-zh_v2 · inhouse-text-es@14 · inhouse-text-fr@14 · inhouse-text-pt@14 · inhouse-text-de@14 · inhouse-text-it@14 · inhouse-text-nl@14.

Video — Muybridge@4.4

Stamp-cap (max) of pair frames.

WHAT WE MEASURED	TARGET	RESULT	PASS
Stamp-cap average on real bags	≤ 0.12	0.022	YES
Stamp-cap average on AI bags	≥ 0.85	0.976	YES
Balanced accuracy at our threshold	≥ 0.90	0.9859	YES

Audio — Helmholtz@3.1

WHAT WE MEASURED	TARGET	RESULT	PASS
Average score on real audio	≤ 0.12	0.018	YES
Average score on AI audio	≥ 0.85	0.989	YES
Balanced accuracy at our threshold	≥ 0.90	0.995	YES

Limits

- Holdouts above only. New generators, edits, or compression can differ.
- Text: EN, ZH (Simplified), ES, PT, FR, IT, DE, NL. No published ChatGPT/Claude holdouts.
- Video is pair-frame stamps, not temporal forensics. No fused A/V claim table.
- Optional Pro Confirm (Sightengine/Winston) is not in these tables; not on the Pro API; not for video/GIF.
- Not proof of authorship. Not for high-stakes automated decisions about a person.

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Upstream models (lockstep)

Commercial-clean serve backbones and train/holdout generators. SSOT: `Data.json` → `models`. Ancestor Hub ids are not the product names.

MODEL	ROLE	LICENSE	USED BY
google/siglip2-base-patch16-224	image_video	Apache-2.0	Vermeer + Muybridge
Oxidane/tmr-ai-text-detector	text	MIT	Valla (Rask)
intfloat/e5-small	text	MIT	Valla (Comenius)
prajjwal/bert-tiny	text	MIT	Valla (named tinies)
fakespot-ai/roberta-base-ai-text-detection-v1	text	Apache-2.0	Valla rollback @12
mispeech/dasheng-base	audio	Apache-2.0	Helmholtz
hfl/chinese-macbert-base	text	Apache-2.0	Valla (Ma Jianzhong)
stabilityai/sd-turbo	image fit	MIT	
segmind/tiny-sd	image fit	Apache-2.0	
stabilityai/sd-xl-turbo	image fit	MIT	
warp-ai/wuerstchen	image fit	MIT	
Qwen/Qwen2.5-7B-Instruct	text fit	Apache-2.0	
mistralai/Mistral-7B-Instruct-v0.3	text fit	Apache-2.0	
zai-org/CogVideoX-2b	video fit	Apache-2.0	
Wan-AI/Wan2.1-T2V-1.3B-Diffusers	video fit	Apache-2.0	
kandinsky-community/kandinsky-2-2-decoder	image holdout	Apache-2.0	
Qwen/Qwen2.5-1.5B-Instruct	text holdout	Apache-2.0	
Wan-AI/Wan2.1-T2V-1.3B-Diffusers	video holdout	Apache-2.0	
Wan-AI/Wan2.2-TI2V-5B-Diffusers	video holdout	Apache-2.0	

Hub cards: <https://huggingface.co/DotCheck> · <https://huggingface.co/collections/DotCheck/dotcheck-engines-6a659e57f7934cb510677785>