# **VBENCH**

#### **Evaluation Dimension Suite** • comprehensive, hierarchical, fine-grained, objective revealing individual models' strengths and weaknesses Temporal Quality Background Consistency Temporal Flickering Motion Smoothness Video Quality Dynamic Degree Aesthetic Quality Frame-Wise Quality Imaging Quality Video Generation Quality Spatial Relationship Video-Text Consistency Video-Condition Overall Consistency Consistency Temporal Style

Appearance Style

#### **Prompt Suite**

**Generated Videos** 

#### separate prompts for:

video generation

- each evaluation dimension
- each content category



sampled videos

for each dimension:

Alignment Verification



Human Preference Annotation

**Evaluation** 

Method Suite

designated model and pipeline

# **VBENCH++**

### Image-to-Video (I2V)

#### Image Suite

- Adaptive aspect ratio
- Diverse and fair content
- High resolution (mainly 4K+)
- Paired text prompts



## Evaluation Dimension Suite



#### **Trustworthiness**

non-technical aspects of video generation models



### **More Models**

VideoCrafter-2.0

SVD-XT
SEINE
Consist12V

Pika
Show-1
Gen-2
I2VGen-XL

Animate-Anything

VideoCrafter-1.0

Open-5ora

DynamiCrafter

### **Alignment**

I2V & Trustworthiness: human alignment is thoroughly ablated and validated.

