

# UCV Dataset

Table I: Training Partition

<i>Sequence Name</i>	Source	# of frames	Duration	Native resolution	Frame rate
Bosphorus	<a href="#">Ultra Video Group</a>	600	5	4096×2160	120
FlowerKids	<a href="#">Ultra Video Group</a>	600	12	4096×2160	50
FlowerPan	<a href="#">Ultra Video Group</a>	600	12	4096×2160	50
HoneyBee	<a href="#">Ultra Video Group</a>	600	5	4096×2160	120
Jockey	<a href="#">Ultra Video Group</a>	600	5	4096×2160	120
Lips	<a href="#">Ultra Video Group</a>	600	5	4096×2160	120
ReadySteadyGo	<a href="#">Ultra Video Group</a>	600	5	4096×2160	120
RiverBank	<a href="#">Ultra Video Group</a>	600	12	4096×2160	50
ShakeNDry	<a href="#">Ultra Video Group</a>	300	2.5	4096×2160	120
Twilight	<a href="#">Ultra Video Group</a>	600	12	4096×2160	50
YachtRide	<a href="#">Ultra Video Group</a>	300	2.5	4096×2160	120
BundNightScape	<a href="#">SJTU</a>	300	10	3840×2160	30
Construction field	<a href="#">SJTU</a>	300	10	3840×2160	30
Marathon	<a href="#">SJTU</a>	300	10	3840×2160	30
Residential Building	<a href="#">SJTU</a>	300	10	3840×2160	30
Rush hour	<a href="#">SJTU</a>	300	10	3840×2160	30
Scarf	<a href="#">SJTU</a>	250	10	3840×2160	30
Tall Buildings	<a href="#">SJTU</a>	300	10	3840×2160	30
Traffic and Buildings	<a href="#">SJTU</a>	300	10	3840×2160	30
Wood	<a href="#">SJTU</a>	300	10	3840×2160	30

Basketball	<a href="#">MCML</a>	300	10	3840×2160	30
Construction	<a href="#">MCML</a>	300	10	3840×2160	30
Dolls	<a href="#">MCML</a>	300	10	3840×2160	30
Lake	<a href="#">MCML</a>	300	10	3840×2160	30
Park	<a href="#">MCML</a>	300	10	3840×2160	30
Bobblehead	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Catch	<a href="#">BVI-SR</a>	300	5	3840×2160	60
CostaRica	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Cyclist	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Fjords	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Flowers	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Football	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Fusion	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Hamster	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Joggers	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Lamppost	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Library	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Pond	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Raptors	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Squirrel	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Water	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Venice	<a href="#">BVI-SR</a>	300	5	3840×2160	60
Screen recording	<a href="#">Waterloo</a>	300	5	3840x2160	30
Soccer game	<a href="#">Waterloo</a>	300	5	3840x2160	30
Traffic	<a href="#">Waterloo</a>	300	5	3840x2160	30
Cutting orange	<a href="#">AVT-VQDB UHD-1</a>	480	8	3840x2160	60
Daydreamer	<a href="#">AVT-VQDB_UHD-1</a>	480	8	3840x2160	60

Giftmord	<a href="#">AVT-VQDB_UHD-1</a>	480	8	3840x2160	60
Netflix Water	<a href="#">AVT-VQDB_UHD-1</a>	301	5	3840x2160	60
Vegetables tuil	<a href="#">AVT-VQDB_UHD-1</a>	600	10	3840x2160	60
Princess run	<a href="#">TUM</a>	500	10	1920x1080	50
treetilt	<a href="#">TUM</a>	500	10	1920x1080	50
Rush hours	<a href="#">TUM</a>	500	20	1920x1080	25
station	<a href="#">TUM</a>	313	12.25	1920x1080	25
sunflower	<a href="#">TUM</a>	500	20	1920x1080	25
Tractor	<a href="#">TUM</a>	690	27.6	1920x1080	25
Basketball crowd	<a href="#">NTIA</a>	300	10	1920x1080	30
Basketball point	<a href="#">NTIA</a>	300	10	1920x1080	30
Collage with musikvid	<a href="#">NTIA</a>	300	10	1920x1080	30
West wind easy	<a href="#">NTIA</a>	570	19	1920x1080	30
<i>Basketball score</i>	<a href="#">NTIA</a>	350	14	1920x1080	25
Crowd run	<a href="#">SVT-Multiformat</a>	500	10	1920x1080	50
Ducks takeoff	<a href="#">SVT-Multiformat</a>	500	10	1920x1080	50
Netflix boat	<a href="#">Netflix El Fuente</a>	300	5	4096x2160	60
Netflix foodmarket2	<a href="#">Netflix El Fuente</a>	300	5	4096x2160	60
Netflix foodmarket	<a href="#">Netflix El Fuente</a>	600	10	4096x2160	60
Netflix square and timelapse	<a href="#">Netflix El Fuente</a>	600	10	4096x2160	60
Netflix tunnelflag	<a href="#">Netflix El Fuente</a>	600	10	4096x2160	60
Netflix Aerial	<a href="#">Netflix Chimera</a>	1199	20	4096x2160	60
Netflix BarScene	<a href="#">Netflix Chimera</a>	1199	20	4096x2160	60
Netflix DinnerScene	<a href="#">Netflix Chimera</a>	1199	20	4096x2160	60

Netflix PierSeaSide	<a href="#">Netflix Chimera</a>	1199	20	4096×2160	60
Netflix RollerCoaster	<a href="#">Netflix Chimera</a>	1199	20	4096×2160	60
Netflix ToddlerFountain	<a href="#">Netflix Chimera</a>	1199	20	4096×2160	60
Netflix Wind and Nature	<a href="#">Netflix Chimera</a>	1199	20	4096×2160	60
Netflix Meridian	<a href="#">Netflix Meridian</a>	34240	570	3840×2160	60
horse	<a href="#">EBU</a>	500	10	1920×1080	50
kidsoccer	<a href="#">EBU</a>	500	10	1920×1080	50
Lupo candlelight	<a href="#">EBU</a>	600	12	1920×1080	50
vegicandle	<a href="#">EBU</a>	500	10	1920×1080	50
zurich	<a href="#">EBU</a>	1006	20.12	1920×1080	50
Aloha	<a href="#">EBU</a>	300	6	1920×1080	50
Neon	<a href="#">AV2 Candidate Test Media</a>	300	10	3840×2160	30
Skater	<a href="#">AV2 Candidate Test Media</a>	300	10	3840×2160	30
Skater	<a href="#">AV2 Candidate Test Media</a>	300	10	1920×1080	30
Water	<a href="#">AV2 Candidate Test Media</a>	301	10	3840×2160	30
DOTA	<a href="#">Twitch</a>	3602		1920×1080	
Eurotruck	<a href="#">Twitch</a>	3603		1920×1080	
Fallout	<a href="#">Twitch</a>	3602		1920×1080	
Big buck bunny	Blender	14315	238	1920×1080	60
Nocturne 17140-17709	<a href="#">Netflix</a>	570	9.5	4096×2160	60
Nocturne 18013-18315	<a href="#">Netflix</a>	303	5.05	4096×2160	60

Nocturne 27740-28109	<a href="#">Netflix</a>	369	6.15	4096×2160	60
Sparks 2024-2455	<a href="#">Netflix</a>	432	7.2	4096×2160	60
Sparks 5363-5763	<a href="#">Netflix</a>	401	6.67	4096×2160	60
Sparks 6026-6502	<a href="#">Netflix</a>	477	7.95	4096×2160	60
Sparks 8396-8941	<a href="#">Netflix</a>	546	9.1	4096×2160	60
Sparks 11198-11570	<a href="#">Netflix</a>	373	6.22	4096×2160	60
Tears of steel	<a href="#">Blender</a>	17620	293.67	4096×1714	60

Table II: Validation Partition

<i>Sequence Name</i>	Source	# of frames	Duration	Native resolution	Frame rate
Botanical Garden	<a href="#">Waterloo</a>	300	10	3840×2160	30
Campfire party	<a href="#">SJTU</a>	300	10	3840×2160	30
Crowd	<a href="#">MCML</a>	300	10	3840×2160	30
Maples	<a href="#">MCML</a>	300	10	3840×2160	30
Dance	<a href="#">Waterloo</a>	300	10	3840×2160	30
FlowerKids	<a href="#">Ultra Video Group</a>	600	12	4096×2160	50
Hearthstone					
Library	<a href="#">SJTU</a>	300	10	3840×2160	30
Myanmar	<a href="#">BV-SR</a>	300	5	3840×2160	60
Narrator	<a href="#">Netflix El Fuente</a>	300	5	4096×2160	60
Netflix Dancers	<a href="#">Netflix Chimera</a>	1199	20	4096×2160	60
Parkjoy	<a href="#">SVT-Multiformat</a>	500	10	1920×1080	50

SunBath	<a href="#">Ultra Video Group</a>	300	6	4096×2160	50
Traffic flow	<a href="#">SJTU</a>	300	10	3840×2160	30
Tree shade	<a href="#">SJTU</a>	300	10	3840×2160	30
Waterfall	<a href="#">EBU</a>	500	10	1920×1080	50
Wheat	<a href="#">AV2 Candidate Test Media</a>	300	10	3840×2160	30

Table III: Test Partition

<i>Sequence Name</i>	Source	# of frames	Duration	Native resolution	Frame rate
Touchdown pass	<a href="#">NTIA</a>	570	19	1920×1080	30
Rainroses	<a href="#">EBU</a>	500	10	1920×1080	50
Pedestrian area	<a href="#">TUM</a>	375	15	1920×1080	25
Into tree	<a href="#">SVT-Multiformat</a>	500	10	1920×1080	50
Blue sky	<a href="#">TUM</a>	217	8.68	1920×1080	25
Runners	<a href="#">SJTU</a>	300	10	3840×2160	30
Race night	<a href="#">Ultra Video Group</a>	600	12	4096×2160	50
Netflix Tango	<a href="#">Netflix El Fuente</a>	294	4.9	4096×2160	60
Netflix Ritual Dance	<a href="#">Netflix El Fuente</a>	600	10	4096×2160	60
Netflix Crosswalk	<a href="#">Netflix El Fuente</a>	300	5	4096×2160	60
Netflix BarScene	<a href="#">Netflix Chimera</a>	1199	20	4096×2160	60
Netflix Driving POV	<a href="#">Netflix Chimera</a>	1199	20	4096×2160	60
Light rail	<a href="#">Waterloo</a>	300	10	3840x2160	30
Halftime music	<a href="#">NTIA</a>	300	10	1920×1080	30
Flagshoot	<a href="#">TUM</a>			1920×1080	50
Fountains	<a href="#">SJTU</a>	300	10	3840×2160	30

GTAV scene	<a href="#">Twitch</a>	3602		1920×1080	
Flower focus	<a href="#">Ultra Video Group</a>	600	12	4096×2160	50
Beauty	<a href="#">Ultra Video Group</a>	600	12	4096×2160	50
Flowers	<a href="#">MCML</a>	300	10	3840×2160	30