

feature	akaze	brisk	cuda akaze	cuda sift	orb	sift	surf
ball	0.94/ <b>0.86</b> /0.18	<b>0.99</b> /0.53/0.15	0.97/0.76/0.18	0.95/0.64/0.16	0.96/0.4/0.12	0.95/0.51/0.11	0.83/0.65/ <b>0.19</b>
basketball	<b>0.21/0.09/0.03</b>	0.03/0.03/0.02	0.1/0.09/0.03	0.05/0.05/0.01	0.03/0.02/0.01	0.03/0.03/0.01	0.03/0.02/0.02
bicycle	0.2/0.17/0.07	<b>0.64/0.61/0.33</b>	0.5/0.43/0.21	0.64/0.61/0.28	0.64/0.57/0.26	0.64/0.6/0.3	0.3/0.28/0.11
board	0.88/ <b>0.87</b> /0.16	<b>0.95</b> /0.86/0.22	0.89/0.86/0.19	0.93/0.86/0.18	0.85/0.83/0.18	0.87/0.83/ <b>0.23</b>	0.87/0.86/0.21
bolt	<b>0.03/0.01/0.0</b>	0.03/0.01/0.0	0.03/0.01/0.0	0.02/0.01/0.0	0.03/0.01/0.0	0.03/0.01/0.0	0.03/0.01/0.0
box	0.63/0.55/0.34	0.95/0.89/ <b>0.72</b>	0.94/0.9/0.72	<b>0.96/0.92</b> /0.62	0.91/0.87/0.69	0.87/0.82/0.55	0.83/0.8/0.57
car	0.07/0.07/0.06	<b>0.64/0.63</b> /0.32	0.0/0.0/0.0	0.64/0.63/0.51	0.64/0.63/ <b>0.59</b>	0.64/0.63/0.2	0.52/0.35/0.12
car 2	0.86/0.85/0.56	0.86/0.85/0.58	0.86/0.86/0.63	0.65/0.65/0.52	<b>0.87</b> /0.86/0.63	0.86/0.86/0.63	0.87/ <b>0.87/0.65</b>
carchase	0.18/0.11/0.04	0.4/0.36/0.14	0.24/0.2/0.06	0.4/ <b>0.37</b> /0.12	<b>0.41</b> /0.37/ <b>0.16</b>	0.39/0.36/0.15	0.14/0.14/0.08
cup on	0.96/0.94/0.59	<b>1.0/1.0</b> /0.68	1.0/1.0/ <b>0.72</b>	1.0/1.0/0.66	1.0/1.0/0.69	0.94/0.93/0.65	0.65/0.65/0.64
david	<b>0.0/0.0/0.0</b>	0.0/0.0/0.0	0.0/0.0/0.0	0.0/0.0/0.0	0.0/0.0/0.0	0.0/0.0/0.0	0.0/0.0/0.0
diving	0.14/0.13/ <b>0.08</b>	<b>0.28</b> /0.13/0.07	0.17/0.13/0.08	0.16/0.13/0.07	0.19/0.13/0.07	0.18/ <b>0.14</b> /0.08	0.18/0.14/0.08
dog	<b>1.0/1.0</b> /0.79	1.0/1.0/0.84	1.0/1.0/0.86	1.0/1.0/0.83	1.0/1.0/ <b>0.87</b>	0.96/0.95/0.81	1.0/0.99/0.72
drunk	0.17/ <b>0.16</b> /0.03	0.04/0.04/0.02	0.18/0.1/0.03	0.11/0.03/0.01	<b>0.2</b> /0.1/0.02	0.11/0.1/ <b>0.06</b>	0.08/0.08/0.04
fernando	0.18/0.11/ <b>0.02</b>	0.19/0.12/0.02	<b>0.2</b> /0.11/0.02	0.18/0.05/0.02	0.19/ <b>0.14</b> /0.02	0.17/0.08/0.02	0.14/0.05/0.02
fish1	0.04/0.01/ <b>0.0</b>	0.05/0.01/0.0	0.04/0.01/0.0	0.05/ <b>0.02</b> /0.0	<b>0.06</b> /0.01/0.0	0.06/0.01/0.0	0.05/0.01/0.0
fish2	<b>0.0/0.0/0.0</b>	0.0/0.0/0.0	0.0/0.0/0.0	0.0/0.0/0.0	0.0/0.0/0.0	0.0/0.0/0.0	0.0/0.0/0.0
gym	<b>1.0/0.98/0.24</b>	1.0/0.89/0.14	1.0/0.97/0.17	0.58/0.51/0.1	1.0/0.69/0.15	0.96/0.77/0.13	0.29/0.26/0.09
gymnastics	0.44/0.4/ <b>0.36</b>	0.45/0.42/0.35	0.45/0.42/0.36	0.44/0.42/0.36	0.45/0.42/0.36	<b>0.55</b> /0.43/0.35	0.46/ <b>0.44</b> /0.35
hand1	0.33/ <b>0.24/0.04</b>	0.19/0.08/0.03	<b>0.35</b> /0.21/0.04	0.17/0.1/0.03	0.22/0.12/0.03	0.19/0.09/0.04	0.1/0.09/0.04
hand2	0.16/0.06/0.04	0.2/0.08/0.04	0.13/0.06/ <b>0.05</b>	0.11/0.06/0.04	<b>0.23/0.09</b> /0.04	0.16/0.06/0.04	0.11/0.06/0.04
jogging	<b>0.95/0.87</b> /0.2	0.64/0.61/ <b>0.22</b>	0.89/0.73/0.13	0.67/0.51/0.16	0.75/0.51/0.12	0.25/0.24/0.09	0.51/0.43/0.07
juice	<b>1.0/1.0</b> /0.96	1.0/1.0/ <b>1.0</b>	1.0/1.0/1.0	1.0/1.0/1.0	1.0/1.0/1.0	1.0/1.0/1.0	1.0/1.0/1.0
jumping	0.39/0.33/0.12	0.99/0.94/ <b>0.5</b>	0.43/0.4/0.12	0.93/0.9/0.5	<b>1.0/0.95</b> /0.39	0.49/0.41/0.17	0.11/0.11/0.1
lemming	0.07/0.05/0.02	0.6/0.58/0.3	0.12/0.07/0.02	0.49/0.48/0.3	<b>0.66/0.62/0.32</b>	0.55/0.52/0.27	0.13/0.12/0.08
liquor	0.87/0.86/0.71	<b>0.94/0.93</b> /0.75	0.89/0.89/0.73	0.93/0.92/ <b>0.76</b>	0.9/0.89/0.74	0.91/0.9/0.74	0.88/0.87/0.73
motocross	0.23/0.21/ <b>0.0</b>	0.37/0.18/0.0	0.39/0.21/0.0	0.42/0.2/0.0	<b>0.54/0.31</b> /0.0	0.42/0.23/0.0	0.29/0.21/0.0
mountain-	0.59/0.57/0.26	<b>1.0/1.0</b> /0.29	1.0/1.0/0.34	1.0/1.0/0.35	1.0/1.0/0.35	1.0/1.0/ <b>0.44</b>	1.0/1.0/0.31
person	0.99/0.92/ <b>0.58</b>	0.94/0.82/0.45	<b>1.0</b> /0.92/0.54	0.98/0.91/0.48	0.92/0.76/0.41	0.98/ <b>0.93</b> /0.47	0.85/0.81/0.51
person	<b>0.87</b> /0.8/0.68	0.79/0.75/0.65	0.87/ <b>0.81/0.71</b>	0.84/0.79/0.7	0.76/0.68/0.51	0.83/0.73/0.59	0.78/0.73/0.61
person	<b>1.0</b> /0.95/ <b>0.82</b>	1.0/0.95/0.82	1.0/ <b>0.97</b> /0.82	1.0/0.95/0.82	1.0/0.95/0.82	1.0/0.95/0.81	1.0/0.95/0.82
partially polar bear occluded	0.45/ <b>0.44/0.24</b>	0.44/0.41/0.17	<b>0.49</b> /0.42/0.16	0.0/0.0/0.0	0.45/0.44/0.23	0.44/0.38/0.12	0.0/0.0/0.0
singer	0.7/0.68/0.34	<b>1.0</b> /0.83/0.33	1.0/ <b>0.99</b> /0.35	1.0/0.94/0.31	1.0/0.9/ <b>0.39</b>	1.0/0.9/0.34	0.59/0.58/0.37
skating	0.1/0.1/0.02	<b>0.7</b> /0.26/0.03	0.19/0.16/0.02	0.3/0.27/0.03	0.56/ <b>0.41/0.04</b>	0.27/0.19/0.02	0.12/0.1/0.02
sphere	<b>1.0/1.0</b> /0.28	0.18/0.18/0.13	1.0/1.0/ <b>0.51</b>	0.21/0.21/0.2	0.6/0.27/0.2	0.2/0.18/0.15	0.18/0.18/0.15
sunshade	0.86/0.57/0.09	0.92/0.43/0.16	0.71/0.26/0.09	0.94/0.4/0.2	0.88/0.41/0.15	<b>0.96/0.63/0.22</b>	0.49/0.19/0.05
surfing	0.88/0.79/0.45	<b>1.0</b> /0.92/0.56	0.64/0.64/0.34	1.0/0.93/ <b>0.57</b>	1.0/ <b>0.99</b> /0.46	1.0/0.97/0.27	0.04/0.04/0.04
sylvester	0.93/0.77/0.37	0.97/0.92/ <b>0.54</b>	0.92/0.83/0.39	0.96/ <b>0.95</b> /0.52	<b>1.0</b> /0.88/0.43	0.99/0.92/0.43	0.64/0.62/0.41
torus	0.33/ <b>0.21/0.06</b>	0.26/0.11/0.04	<b>0.34</b> /0.1/0.05	0.18/0.06/0.05	0.32/0.06/0.05	0.25/0.06/0.05	0.09/0.06/0.05
track	0.38/0.38/0.25	<b>0.79</b> /0.77/0.61	0.79/ <b>0.79</b> /0.67	0.79/0.79/ <b>0.74</b>	0.75/0.74/0.54	0.79/0.79/0.69	0.29/0.29/0.25
trellis	0.17/0.16/0.12	0.19/0.16/0.05	0.15/0.13/0.11	0.11/0.08/0.02	0.16/0.12/0.04	0.17/0.15/0.04	<b>0.2/0.2/0.14</b>
tunnel	0.16/0.11/0.03	0.18/0.09/0.02	<b>0.32/0.18</b> /0.02	0.11/0.1/0.04	0.2/0.13/0.02	0.18/0.12/0.02	0.14/0.11/ <b>0.05</b>
woman	0.23/0.19/0.12	0.19/0.11/0.06	0.16/0.14/0.09	0.34/ <b>0.25/0.13</b>	<b>0.4</b> /0.23/0.06	0.15/0.12/0.07	0.11/0.09/0.04
overall	0.5/0.46/0.24	0.58/ <b>0.5/0.29</b>	0.54/0.48/0.27	0.54/0.48/0.29	<b>0.6</b> /0.5/0.28	0.54/0.48/0.26	0.39/0.36/0.23