batchidx [0/1149], Loss: 0.6423

batchidx [100/1149], Loss: 0.3545

batchidx [200/1149], Loss: 0.2416

batchidx [300/1149], Loss: 0.1813

batchidx [400/1149], Loss: 0.1348

batchidx [500/1149], Loss: 0.1180

batchidx [600/1149], Loss: 0.0993

batchidx [700/1149], Loss: 0.0962

batchidx [800/1149], Loss: 0.0763

batchidx [900/1149], Loss: 0.0739

batchidx [1000/1149], Loss: 0.0717

batchidx [1100/1149], Loss: 0.0701

recon\_x range: 0.000580998370423913 0.9967848062515259

x range: 0.0 1.0

log\_var range: 4.746375514841361e-10 7.838596502551809e-06

== Epoch [1/10], avrage Loss: 0.1565 ==

batchidx [0/1149], Loss: 0.0675

batchidx [100/1149], Loss: 0.0615

batchidx [200/1149], Loss: 0.0650

batchidx [300/1149], Loss: 0.0564

batchidx [400/1149], Loss: 0.0521

batchidx [500/1149], Loss: 0.0460

batchidx [600/1149], Loss: 0.0506

batchidx [700/1149], Loss: 0.0506

batchidx [800/1149], Loss: 0.0500

batchidx [900/1149], Loss: 0.0471

batchidx [1000/1149], Loss: 0.0478

batchidx [1100/1149], Loss: 0.0423

recon\_x range: 0.0006506277131848037 0.9998835325241089

x range: 0.0 1.0

log\_var range: 1.4028936234922185e-08 1.717077225293906e-06

== Epoch [2/10], avrage Loss: 0.0540 ==

model saved!

batchidx [0/1149], Loss: 0.0425

batchidx [100/1149], Loss: 0.0393

batchidx [200/1149], Loss: 0.0571

batchidx [300/1149], Loss: 0.0498

batchidx [400/1149], Loss: 0.0454

batchidx [500/1149], Loss: 0.0459

batchidx [600/1149], Loss: 0.0459

batchidx [700/1149], Loss: 0.0439

batchidx [800/1149], Loss: 0.0429

batchidx [900/1149], Loss: 0.0395

batchidx [1000/1149], Loss: 0.0444

batchidx [1100/1149], Loss: 0.0454

recon\_x range: 2.4109322112053633e-05 0.9999991655349731

x range: 0.0 1.0

log\_var range: 1.617025162659047e-07 6.770068011974217e-06

== Epoch [3/10], avrage Loss: 0.0447 ==

model saved!

batchidx [0/1149], Loss: 0.0461

batchidx [100/1149], Loss: 0.0440

batchidx [200/1149], Loss: 0.0414

batchidx [300/1149], Loss: 0.0478

batchidx [400/1149], Loss: 0.0350

batchidx [500/1149], Loss: 0.0396

batchidx [600/1149], Loss: 0.0434

batchidx [700/1149], Loss: 0.0436

batchidx [800/1149], Loss: 0.0420

batchidx [900/1149], Loss: 0.0441

batchidx [1000/1149], Loss: 0.0372

batchidx [1100/1149], Loss: 0.0403

recon\_x range: 3.648664278443903e-05 1.0

x range: 0.0 1.0

log\_var range: 9.357668773191108e-08 1.171309395431308e-05

== Epoch [4/10], avrage Loss: 0.0419 ==

model saved!

batchidx [0/1149], Loss: 0.0695

batchidx [100/1149], Loss: 0.0407

batchidx [200/1149], Loss: 0.0471

batchidx [300/1149], Loss: 0.0397

batchidx [400/1149], Loss: 0.0452

batchidx [500/1149], Loss: 0.0353

batchidx [600/1149], Loss: 0.0447

batchidx [700/1149], Loss: 0.0433

batchidx [800/1149], Loss: 0.0387

batchidx [900/1149], Loss: 0.0368

batchidx [1000/1149], Loss: 0.0408

batchidx [1100/1149], Loss: 0.0365

recon\_x range: 1.0024336916103493e-05 1.0

x range: 0.0 1.0

log\_var range: 1.4615558541208884e-07 1.2807791790692136e-05

== Epoch [5/10], avrage Loss: 0.0406 ==

model saved!

batchidx [0/1149], Loss: 0.0377

batchidx [100/1149], Loss: 0.0326

batchidx [200/1149], Loss: 0.0369

batchidx [300/1149], Loss: 0.0421

batchidx [400/1149], Loss: 0.0376

batchidx [500/1149], Loss: 0.0358

batchidx [600/1149], Loss: 0.0338

batchidx [700/1149], Loss: 0.0401

batchidx [800/1149], Loss: 0.0377

batchidx [900/1149], Loss: 0.0326

batchidx [1000/1149], Loss: 0.0363

batchidx [1100/1149], Loss: 0.0397

recon\_x range: 2.193237560277339e-05 1.0

x range: 0.0 1.0

log\_var range: 5.017309234744971e-08 1.9485275970509974e-06

== Epoch [6/10], avrage Loss: 0.0393 ==

model saved!

batchidx [0/1149], Loss: 0.0445

batchidx [100/1149], Loss: 0.0401

batchidx [200/1149], Loss: 0.0415

batchidx [300/1149], Loss: 0.0376

batchidx [400/1149], Loss: 0.0424

batchidx [500/1149], Loss: 0.0382

batchidx [600/1149], Loss: 0.0424

batchidx [700/1149], Loss: 0.0349

batchidx [800/1149], Loss: 0.0398

batchidx [900/1149], Loss: 0.0405

batchidx [1000/1149], Loss: 0.0364

batchidx [1100/1149], Loss: 0.0351

recon\_x range: 2.236497493868228e-06 1.0

x range: 0.0 1.0

log\_var range: 1.324524703250063e-07 4.382643510325579e-06

== Epoch [7/10], avrage Loss: 0.0383 ==

model saved!

batchidx [0/1149], Loss: 0.0335

batchidx [100/1149], Loss: 0.0419

batchidx [200/1149], Loss: 0.0376

batchidx [300/1149], Loss: 0.0412

batchidx [400/1149], Loss: 0.0417

batchidx [500/1149], Loss: 0.0350

batchidx [600/1149], Loss: 0.0355

batchidx [700/1149], Loss: 0.0370

batchidx [800/1149], Loss: 0.0401

batchidx [900/1149], Loss: 0.0349

batchidx [1000/1149], Loss: 0.0380

batchidx [1100/1149], Loss: 0.0344

recon\_x range: 6.866152943985071e-06 1.0

x range: 0.0 1.0

log\_var range: 1.703265297692269e-07 5.904228601139039e-06

== Epoch [8/10], avrage Loss: 0.0378 ==

model saved!

batchidx [0/1149], Loss: 0.0385

batchidx [100/1149], Loss: 0.0353

batchidx [200/1149], Loss: 0.0364

batchidx [300/1149], Loss: 0.0399

batchidx [400/1149], Loss: 0.0379

batchidx [500/1149], Loss: 0.0392

batchidx [600/1149], Loss: 0.0409

batchidx [700/1149], Loss: 0.0382

batchidx [800/1149], Loss: 0.0352

batchidx [900/1149], Loss: 0.0347

batchidx [1000/1149], Loss: 0.0365

batchidx [1100/1149], Loss: 0.0320

recon\_x range: 1.261059060198022e-05 1.0

x range: 0.0 1.0

log\_var range: 9.612781326495679e-08 2.8709664547932334e-06

== Epoch [9/10], avrage Loss: 0.0369 ==

model saved!

batchidx [0/1149], Loss: 0.0389

batchidx [100/1149], Loss: 0.0329

batchidx [200/1149], Loss: 0.0420

batchidx [300/1149], Loss: 0.0404

batchidx [400/1149], Loss: 0.0441

batchidx [500/1149], Loss: 0.0366

batchidx [600/1149], Loss: 0.0338

batchidx [700/1149], Loss: 0.0348

batchidx [800/1149], Loss: 0.0346

batchidx [900/1149], Loss: 0.0364

batchidx [1000/1149], Loss: 0.0342

batchidx [1100/1149], Loss: 0.0317

recon\_x range: 1.3226734154159203e-05 1.0

x range: 0.0 1.0

log\_var range: 1.8043382965515775e-07 3.3715452900651144e-06

== Epoch [10/10], avrage Loss: 0.0367 ==

model saved!