According to the “Ethnologue international catalogue”: there are over 120,000 people in Russia and its neighboring countries, who use Russian sign language (RSL) in everyday life.

ST. PETERSBURG INSTITUTE FOR INFORMATICS AND AUTOMATION OF RAS, RUSSIA
Alexey Karpov, Idar Kagirov, Dmitry Ryumin, Alexander Axyonov

Russian Sign Language as a Low-Resource Language

I. The first school for the deaf in Russia was established in 1806 near St. Petersburg.
II. There are presumably several dialects of RSL. Investigations reveal at least a number of lexical differences between St. Petersburg, Moscow, and Novosibirsk. However, there has been very little research on grammatical variations in the alleged dialects of RSL.
III. Dictionaries of RSL comprise up to 5000 lexical units. (Everyday words and phrases.) Nonetheless, there is a trend towards presenting non-colloquial, formal lexica

Being an independent language with its own grammatical system and vocabulary, RSL has no writing system, and books, descriptive grammars, vocabularies and databases therefore are scarce.

Principal Databases of RSL

“Thematic dictionary of Russian sign language” developed by the Moscow organization of All-Russian society of the deaf in 2006 (1480 signs).
“Russian Sign Language Explanatory Dictionary RuSLED” (2537 videos with single words and phrases) with etymology of the signs (2002).
On-line video dictionary of Russian sign languages, created in the framework of the European project “Spreadthesign” (14347 videos, comprising a mixture of words, phrases, utterances and variations).
Sign language corpus, recorded by the Novosibirsk State Technical University in 2010-2011 (230 spontaneous narratives by 43 native signers, annotated with ELAN tools).
Surdoserver on-line dictionary (about 600 words and phrases)

SUMMA SUMMARUM:
RSL DB are either a mixture of dialectal, colloquial and formal lexical units, or too small, or native signers-oriented.
None of them was collected in 3D or FullHD.

TheRuSLan Database

Multimodality: FullHD
IR
depth map
13 deaf signers
164 different lexical units
based on the most reputable RSL dictionary (Geilman 2004)
44 classes identified for machine-learning purposes
each handshape and location phonologically annotated
Hamburg Notation System (HamNoSys)