



Project name	Neural Network Enablement
Project mission	The goal of the project is to implement a first version of the web server on the Atlas 200 DK hardware. This is to receive photos and videos and feed them to the neural network provided for coloring. Afterwards the result shall be displayed. If time permits, a super-resolution network is to be added to the pipeline.
Industry partner	Huawei Germany
Team logo	
Project summary	<p>In the project, Team Netella developed a web service and backend that takes photos and videos, colors them using a pre-trained neural network, and displays the result in a side-by-side view.</p> <p>The web service consists of all the basic functions and is also suitable for videos, which are split into individual images in the background, colored individually and reassembled.</p> <p>All programs run on an ATLAS 200 DK board developed by Huawei, which was made available to the team.</p>
Project illustration	
Project repository	<a href="https://github.com/amosproj/amos2021ss06-neural-network-enablement">https://github.com/amosproj/amos2021ss06-neural-network-enablement</a>