**TX9Perception Module** Sensor (Camera) Robot Load Configuration for the Neural Network Get Live video frames [Not Compatible] Check image/video format compatibility [Compatible] Print "Incompatible format" Pass the frame through Neural Network Check for humans in frame [No Humans] [Humans] Check if confidence is above threshold [No] [Yes] Remove overlapping boxes Label detected humans Calculate distance using height Convert coordinates from camera frame to robot frame Output video frame with human highlighted Output location information with label [Next frame available] Is next frame available? [Not available]