Soontech Annals

BV01: Simple Hopperspeed Grouper

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Features

- Hopperspeed with 16gt output type switching delay

- Contains 9 1wt tileable svars

- 132 buffer slots per slice

Applications

- Optimizing box merging
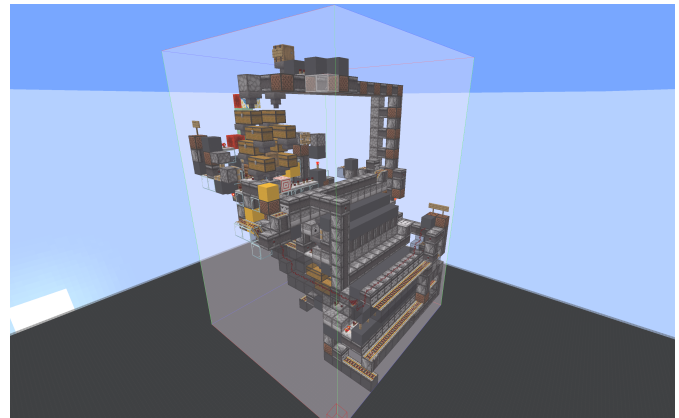
- Reducing Encoder Usage

Figure 1: Screenshot of Grouper Device

General Description

A simple hopper speed box grouper using svars. Given an input of varying boxes, it will buffer boxes with the same type to be outputted in a group when requested. Useful for reducing encoder calls.

Has 9 svar slices with two double chests of buffer for each type. Easily expandable. Hopperlocking not included.

Device Specifications

All specifications are in ideal conditions at 20TPS.

Table 1: Device Specifications

Parameter	Min.	Typ.	Max.	Unit	Conditions
Input Throughput	-	-	1	HS	
Output Throughput	-	-	1	HS	Normal Usage
Switching Delay	16	-	-	gt	
MC Version	1.16	1.17.1	-	MCV	Latest version at time of writing: 1.19.2
Dimensions	17 x 18 x 28			Blks	

Testing Data

Table 2: Executed Tests

Test	Result
Input/output test	Device successfully grouped boxes of 12 different item types and sequentlially outputted them in hopperspeed

Download Information

Table 3: Download Information

Identifier	MC	File	Description
BV01	1.17.1	BV01_hopperspeed_grouper_p1.litematic	Litematic of grouper device