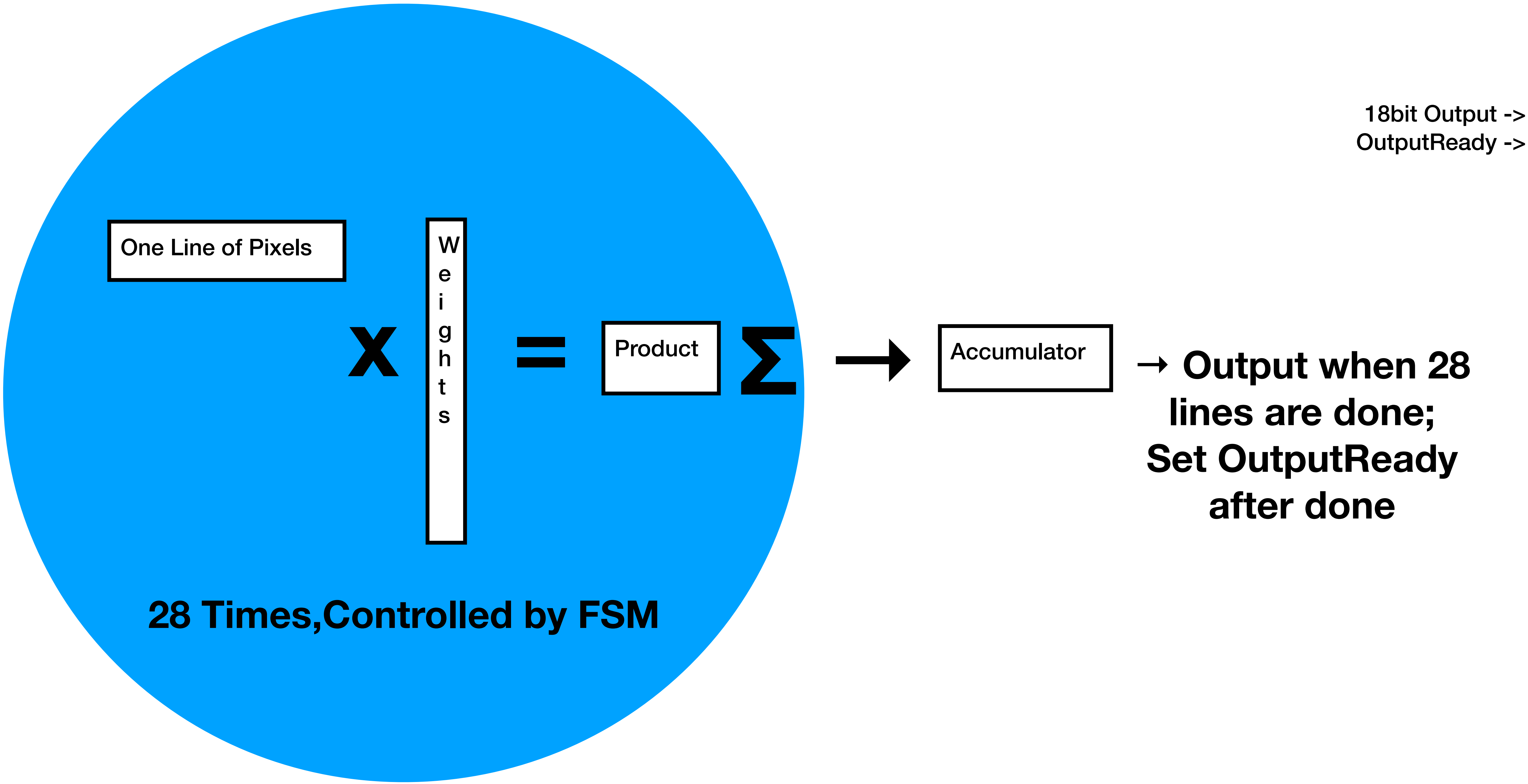


Image\_Classifier

-> clk  
-> GlobalReset  
-> Input\_Valid  
-> 18bit Wgt [7850]  
-> 10bit Pix [764]

Neuron - neuron0

-> clk  
-> GlobalReset  
-> Input\_Valid  
-> 18bit Wgt [784]  
-> 10bit Pix [764]



18bit Output ->  
OutputReady ->

Image\_Number ->  
Output\_Valid ->

MaxSelector

-> clk  
-> GlobalReset  
-> Input\_Valid  
-> 18bit NeuronOutput [10]  
-> NeuronOuputReady [10]

Max ->  
OutputReady ->

▪  
▪  
▪

10 Neurons