ABSTRACT

An image processing apparatus has an image processing section having modules and a storage resource management unit. The storage resource management unit determines whether or not a necessary capacity of a storage resource is equal to or less than a remaining amount of a memory when a module needs to be allocated with the storage resource, allocates the secured memory as the storage resource to the module when the capacity is equal to or less than the remaining amount or, when the capacity is larger than the remaining amount, secures a storage region of an external storage apparatus and allocates the storage region as the storage resource, or writes data written in a memory allocated to another module in the storage region and allocates the memory previously allocated to the other module as the storage resource to the module.