



The Singular Bullet™

By Reality Check Solutions

CONTACT

Reality Check Solutions

Jeff Heimbold

323.503.2204

j.heimbold@rcs.live

About the Singular Bullet™

Need Singular in your broadcast environment? As a certified Singular service provider, RCS has worked extensively with the Singular team. In response to client requests for a solution that can integrate into a traditional HD SDI workflow, RCS has created a next-gen bullet powered by Singular.

The RCS Singular Bullet™ is a custom built hardware solution designed to convert [Singular overlay graphics](#) into a variety of keyable standard broadcast outputs. This hardware is provided as a larger service agreement with RCS on a long term lease or multi-event rental basis only.

There are two alternative systems available with a two week turnaround time on orders. Contact RCS for pricing.

The RCS Singular Bullet™ comes in two models: **Standard** and **Enterprise**.

	STANDARD SINGULAR BULLET™	ENTERPRISE SINGULAR BULLET™
Portable	Yes	No
Form Factor	Laptop, Micro-PC	Desktop
Rack Mountable	Yes - 1RU	Yes - 4RU
Supported Computer	Zbook15 G5, Intel NUC8i7HVK	Intel i9 custom
Power Supply	1	1
LAN	1Gb LAN or 1Gb WLAN	1Gb LAN
Operating System	Windows 10 Pro	Windows 10 Pro
Desktop Renderer	*TouchDesigner with basic app	TouchDesigner with custom app
Supported I/O card	BlackMagic UltraStudio HD mini	BlackMagic DeckLink Quad2
Supported GPU	Quadro Mobile, AMD Vega	NVIDIA RTX 4000 or RTX 2080 Ti
SDI I/O	1 input 2 output	8 configurable ins & outs
Key + Fill outputs - max	1	4



Composite outputs - max	1	8
Reference Type	Blackburst	Blackburst/Tri-level
Output Format - max	1080p@50/60	1080p@50/60
NDI input	5	10
NDI output	3	10
RTMP output	3	3
RTSP output	2	15
SDI Embedded Audio	Singular overlays only	All Sources plus Singular overlays

*Other render options available.

Standard Singular Bullet™ Model

The Standard RCS Singular Bullet™ is the perfect model if you are looking for portability, have simpler Singular overlays and don't need a high number of outputs. Its small footprint takes up only one Rack Unit of space, or can be setup on a desk. It can also be set up with vMix™ or OBS™ for those who prefer to use those platforms.

This system can be run headless without a need for a monitor or KVM system. Most users will remote into it with Teamviewer or other VNC services. The Singular control app which would control this system would typically run on another system, anywhere in the world.

Enterprise Singular Bullet™ Model

The Enterprise Singular Bullet by RCS™ is the perfect model for high end performance and more complicated/heavy Singular overlays, multiple channels or internal compositing. Custom front end available.

This system is customizable with fully configurable inputs and outputs to work with client specific needs. RCS can build a custom desktop app that will manage and control your Singular SDI environment based on your production requirements.

For example this system can run (4) Key & Fill pairs all at 3G-SDI. Alternatively it can be setup to take SDI video in with embedded audio, and output a clean and dirty feed, with less than 2 frames of delay.

