

Sabot SFF1: Surveillance Video

This hybrid system accepts input from analog or IP cameras, then provides flexible options for signal processing and storage. It would be appropriate for any type of desktop security/surveillance system.

Performance Characteristics:

Tenth Generation Intel® Core™ processors provide the power for processing video analytic software applications. Can be configured for different camera inputs and storage capabilities using COTS cards and components.

Ergonomics:

9" (229mm) W x 13" (330mm) D x 3.5" (89mm) H set top appliance. Ability to include video capture card. Features custom branding.

Lifecycle:

Seven-year Component Availability.

Sabot SFF1



EmbedTek designs, invents, and manufactures computers, software, sensors, cameras, and displays for original equipment manufacturers. Our systems improve the quality of imaging in healthcare, simulation programs in the military, video analytics in security, and much more. Throw any challenge at us, from demanding environment and ergonomic requirements to High Level Assembly and nonstandard I/O. We'll evaluate it, carefully attack it, and solve it.

Product Realization: Sabot SFF1



The OEM manufacturer of video recording and analytic tools uses the system to claim a leadership position in an important market segment. It provides flexible input options and multiple performance levels that make it the product of choice for installers.

Overall challenge:

Replace existing appliance with a single platform that combined improved performance and quality, but which provided multiple customization and upgrade paths in a clearly defined product line.

Design:

Motherboard and chassis were sized to accommodate an optional video capture card. Custom small form factor optimizes airflow in higher temperature environments.

Prototypes & Validation:

Very rapid prototypes allowed customer to co-develop software on a parallel path with product development.

Launch:

We went from product award to production in under 3 months.

Production, End-of-Life:

EmbedTek has developed a production fixture that simulates inputs to facilitate 100% burn-in. Integration, testing, certification, shipping, international regulatory; product shipped directly to customer end users.

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