

Model: CSP-10SVRA

Architectural and
Engineering Specifications

Version 1.0

PART 1: PLEASE REFER TO ATTACHED DOCUMENTS - OVERVIEW & FORMAT SAMPLES

PART 2: PRODUCTS

Division 28 – Electric Safety and Security

Section 28 23 29 – Video Surveillance Remote Devices and Sensors

2.1.0 Manufacturer

1. Costar Video Systems
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2.2.0 General

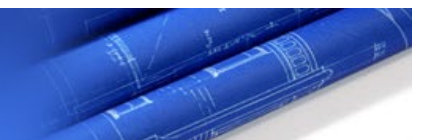
2.2.1 Product Description

CSP-10SVRA is a Video Analytics system designed and manufactured by Costar Video Systems. The CSP-10SVRA is compatible with IDLA supported by StarNET Pro VA Service version 3.0.0 or higher up to 64 IP cameras. The IDLA is a superior accuracy deep-learning engine. The IDLA performs the object classification suitable for CCTV application with simple configuration and zero calibration. The CSP-10SVRA supports up to 64ch in condition of 640x360@5ips video input. The CSP-10SVRA is equipped with 2 Giga Lan ports, 5 internal HDD ports, and 1 eSATA port.

The CSP-10SVRA is an integrated security system, capable of time division multiplexing and real time monitoring of multiple cameras and analyzing their digitized and compressed images on embedded hard disk drives for fast search and retrieval either locally at the unit, or from a remote workstation using a Graphical User Interface (GUI). The CSP-10SVRA is equipped with technology that allows connected cameras to be discovered and configured automatically. The CSP-10SVRA is video analysis purpose only, which does not guarantee performance for other functions besides video analysis.

2.2.2 General Specification

1. This CSP-10SVRA is for “StarNET Pro” with VA service.
 - You can also refer to “StarNET Pro A&E Specification”.
2. The CSP-10SVRA shall be a Windows8 embedded
3. The CSP-10SVRA shall support analytics up to 64ch in condition of 640x360@5ips video input.
4. The CSP-10SVRA shall be equipped with 2 Gigabit Lan ports.
5. The CSP-10SVRA shall have Intel i7-7700 3.6GHz, DDR4 PC-19200 8GB.
6. The CSP-10SVRA shall have 1 internal SATA III (6.0 Gb/s) port and 1 eSATA port.



7. The CSP-10SVRA shall have 1 VGA, 1 DP, and 1 HDMI output.
8. The CSP-10SVRA shall have 2 GbE RJ-45 Ports (1000Base-T).
9. The CSP-10SVRA shall have 4U rack mount chassis.
10. The CSP-10SVRA shall have single power.
11. The CSP-10SVRA shall have 1 Line input, 1 Line output (3.5mm), 1 HDMI audio output.
12. The CSP-10SVRA shall have 6 USB ports (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0)

2.3.0 Technical Specification

2.3.1 Video Specification

1. Network Video Inputs: up to 64 IP cameras
 - A. The CSP-10SVRA can connect the cameras up to up to 64ch in condition of 640x360@5ips video input.

2.3.2 Hardware, OS

1. Processor: Intel® I7-7700, 3.6GHz
2. Memory: DDR4 PC-19200 (PC-21300), 8GB
3. IDLA Processing Unit (VGA): NVIDIA RTX2060 SUPER, 8GB
4. OS: Microsoft® Windows Embedded Standard 8

2.3.3 Storage Specifications

1. Main Storage: Internal SATA x1 (Max. 5 HDDs)
2. Secondary Storage (Extension) : eSATA x1

The CSP-10SVRA can mount and operate up to 5 HDDs, and each video analysis is separately operated through LAN1 and LAN2.

2.3.4 Network Specifications

1. Network Connection:
 - A. 2 Gigabit Ethernet RJ-45 ports (1000Base-T)
2. Remote Client Viewer application: StarNET Pro
 - A. StarNET Pro: Microsoft Windows OS

2.3.5 Analytics Specifications

1. Sampling Rate: per 5 fps
2. Events: Loitering, Intrusion.
 - A. The CSP-10SVRA shall support alarm sensor trigger in and relay out functions in such event of loitering events, and intrusion events.
3. Detection Objects: Human, Vehicle, Bicycle.
4. Detection Color: Black, White, Gray, Red, Yellow, Green, Blue, Magenta, and Brown.
5. Event Notification:
 - A. The CSP-10SVRA shall include a system log report support that analytics information relating to alarm events, reboots, and other system information.

2.3.6 External Interface Specifications

1. Serial: RS232 (DB9 Terminal Block)
2. User Control Interface: Keyboard, Mouse, and RS232C Command Interface
3. USB Interface: USB 2.0 x 4, USB 3.0 x 2
4. Monitor: 1 x HDMI, 1 x DP, 1 x VGA
5. Ethernet: 2 RJ-45 (1 Gbps Ethernet)
6. Audio I/O: 1 AUX connector(3.5Φ) / 1 AUX connector(3.5Φ)

2.4.0 Mechanical Specifications

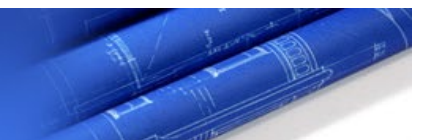
1. Operating System: Microsoft® Windows Embedded Standard 8
2. Unit Dimensions (W x H x D): 440 mm x 177 mm x 462 mm (17.3" x 7.0" x 18.2")
3. Unit Weight: 14.0 kg (30.9 lb)

2.5.0 Environmental Specifications

1. Working Temperature: 0°C to 40°C (32°F ~ 104°F)
2. Operating Humidity: 0% ~ 90%

2.6.0 Electrical Specifications

1. Power Input: AC 100-240V, 50/60Hz, 5.5 ~ 2.5A
2. Power Consumption: Max. 350W
3. Regulatory Approvals:
 - A. Electrical: FCC, CE, CB, UL, KC



Version History

Version	Writer	Revision Date	Remarks
1.0	Tech support	Aug. 13, 2021	Initial Release

