

BVS1004-A

4CH SDI 720P High Definition Real-time DVR

Product Overview

BVS1004-A 4 Channel HD-SDI 720P Real-time DVR is a standard DVR, utilizing industry leading SOC technology, H.264 video compression format for increased system stability, supports 4 channel video input, 1 channel audio input, 4 channel synchronous playback, and VGA/HDMI high definition output. BVS1004-A is suitable for various settings including banks, schools, government agencies, public transits, retail settings, petrol stations, public areas, and factories.

SDI (Serial Digital Interface)

SDI, in simple terms, is an upgrade of traditional analog to high definition analog. It delivers the high resolution of IP surveillance, and at the same time, overcomes the latency problems associated with IP. Just like traditional analog, signals are transmitted via a coaxial cable, and the system architecture is also identical, hence new cabling and staff training are not necessary when upgrading from an existing analog CCTV system to SDI, saving time as well as human resources.

Dual Streaming

A video surveillance system involves local recording and network transmission. Transmission speed and image quality are often affected by limited network bandwidth. Dual streaming of SDI DVR enables the delivery of two independent streams of video; main stream is used for local recording to achieve high definition surveillance; sub stream is used for network transmission, overcoming the bandwidth bottleneck issues to deliver optimal surveillance quality.

CMS

CMS (Central Management System) enables control of video surveillance for multiple sites and multiple servers. CMS facilitates efficient and effective management of video surveillance systems that involves several locations.

DDNS

DDNS (Dynamic DNS) is an extension of DNS. With DNS, end user IP addresses and domain names are statically mapped, whereas DDNS enables automatic re-mapping of a domain name with dynamic IP addresses in real-time. DDNS is helpful in situations where the IP address is frequently changing, especially for wireless network and DHCP environments.

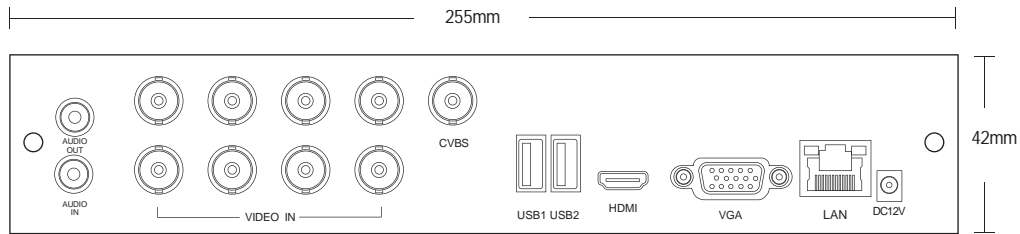
Features

- ▶ 4 channel 720P real-time recording
- ▶ 4 channel playback
- ▶ 1 channel audio input
- ▶ Supports 1 HDD
- ▶ Supports file lock/unlock, reserving time
- ▶ Supports DHCP, DDNS, PPPoE, remote surveillance via IE and CMS
- ▶ Supports mobile surveillance via iOS/Android smart phones and tablets
- ▶ Supports VGA/HDMI full HD 1080P synchronous output



720P HD-SDI	H.264	DDNS	Mobile / Remote	SATA X 1	VGA/HDMI	Dual Streaming
Video Standard	Video Compression	Network Service	Surveillance	HDD	Video Output	Transmission

Rear Panel



Specifications

Model		BVS1004-A
System	Compression Format	H.264 High Profile
	CPU	Cortex A9
	Operating System	Embedded Linux
Video	Input	SDI × 4
	Output	VGA × 1: 1080P (1920 × 1080) HDMI × 1: 1080P (1920 × 1080)
Audio	Input	RCA × 1
	Output	RCA × 1
	Two-way Audio	Takes up 1 ch audio input
Recording	Resolution	720P(1280 × 720)
	Frame Rate	100FPS(PAL) 120FPS(NTSC)
	Bit Rate	1M~6Mbps
	Encoding	VBR/CBR
	Image Quality	6 levels
	Recording Mode	Manual, Timer, Motion
	File Management	Lock, unlock, reserving time
Playback	Playback	4CH
	Search Mode	Time, motion, single or multi-channel
	Functions	Play, Pause, FF, FB, Digital zoom
Alarm	Mode	Motion detection, Video loss
	Input	Not supported
	Output	Not supported
	Trigger	Record, PTZ move, e-mail
Network	Interfaces	RJ45Gigabit Ethernet
	Protocols	TCP/IP, UDP, DHCP, DNS, PPPOE, DDNS
	Other	Up to 10 users, dual streaming
Mobile	Devices	iPhone, Android
	Functions	Multi-channel display, server list, recording, PTZ
Interfaces	HDD	SATA × 1
	RS485	RS485 × 1, supports PTZ and keyboard control
	USB	USB2.0 × 2, one for mouse and another for backup
	IR Controller	Optional
General	Power Supply	DC12V
	Dimensions	255mm(L) * 210mm(W) * 42mm(H)
	Operating Environment	0~50°C, 10%~90% (Humidity)