

VC-A50S High Definition Video Camera

LumensTM
Brilliance by Design

The Lumens™ VC-A50S HD Pan/Tilt/Zoom (PTZ) camera is equipped with a professional 1/2.8 inch image sensor with Full HD 1080p output resolution and a high dynamic image quality of 60 frames per second. The superior 20x optical zoom lens with professional noise reduction and wide dynamic range technology delivers a clear image even in low light, backlight or the extreme contrast of brightness and darkness in a room.

The camera utilizes a highly efficient DC motor servo controller to achieve high-speed, quiet and precise positioning movements. The VC-A50S supports 3G-SDI, DVI, component, and C-Video interfaces allowing four simultaneous image outputs with the best possible image quality and is compatible with all video equipment. VC-A50S is applicable for lecture capture, videoconferencing and broadcasting systems.

Key Features

- Dual color option for different kinds of settings
- With professional noise reduction technology a clear image is delivered
- Supports Wide Dynamic Range (WDR) to provide a vivid image even under backlighting
- Full HD 1080p with 60 frames per second
- Supports manual white balance function for a complex lighting environment
- 240 times variable zoom ratio (20x optical zoom with 12x digital zoom)
- 3G-SDI, DVI, Component, C-Video image output synchronously
- Maximum horizontal/vertical speed of rotation: 300° / sec
- Wide Pan/Tilt/Zoom mechanism:
Horizontal viewing angle: -170° to +170°
Tilting angle up to 90°, and down to -30°
- Compatible with major videoconferencing and lecture capture codec



More Details



Image Quality

Equipped with a professional 1/2.8 inch image sensor with Full HD 1080p output resolution providing high color reproduction, high definition, and a crystal-clear image.



Advanced Image Processing

The advanced AF/AE/AWB algorithm and circuit design ensures a pristine image during the pan, tilt, zoom & capture function.



Wide Range Pan/Tilt/Zoom Action

The high efficient DC motor, servo control a wide shooting area (pan angle: from -170° to +170° ; tilt angle from -30° to +90°), as well as quiet, fast, and precise positioning movements.



Multiple Signal Formats

VC-A50S is able to switch video output formats from NTSC/PAL, SD, to Full HD for compatibility in various display devices.



3G-SDI Interface

Supports 3G-SDI standard interface for transmitting uncompressed digital video signal without any delay, and the transmission distance is up to 150 meters.



128 Preset Positions

Up to 128 preset settings for pan, tilt, zoom, focus, exposure and white balance modes make video conferencing effective and efficient.



RS-232/422 Remote Control

Camera settings and PTZ control functions to be performed remotely at any location and at high communication speeds via the RS-232/422 interface.



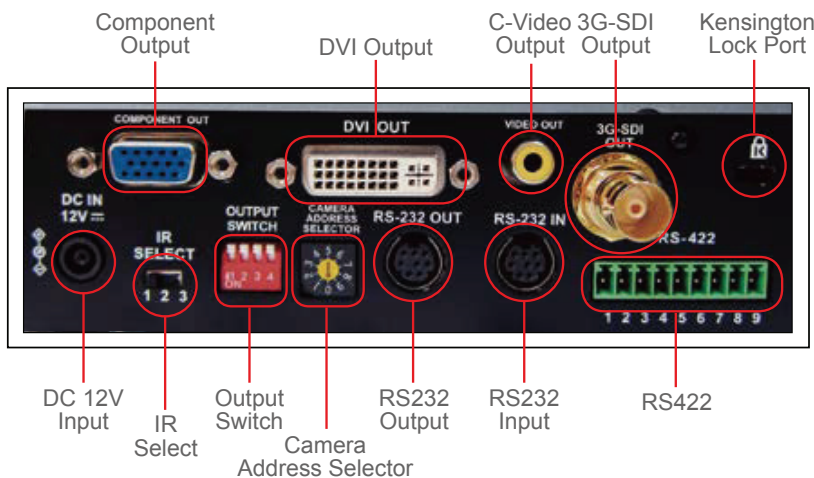
Image Flip

Built-in image flip and mirror function allows various installations on a desktop or wall mount depending on the users preference.

Product Specifications

Sensor	1/2.8" 2 MP CMOS	Shutter Speed	1/1 ~ 1/10,000 sec
Video Output	1080i 59.94fps 1080p 60 / 59.94 / 50 / 30 / 29.97 fps, 1080i 50 / 60 fps, 720p 60 / 59.94 / 50 fps, 720p 30 / 25 fps, NTSC / PAL	Focal Length	f = 4.7 ~ 94 mm
Optical Zoom	20x	Horizontal Viewing Angle	63°
Panning Angle	-170° ~ +170°	Aperture	F1.6 ~ 3.5
Tilting Angle	-30° ~ +90°	Minimum Illumination	0.4 lux (F1.6, 50 IRE, 30fps)
Preset Positions	128	Minimum Object Distance	300(Wide) ~ 1500(Tele) mm
Video Output(HD) Interface	Component, DVI, 3G-SDI	Digital Zoom	12x
Video Output(SD) Interface	CVBS (C-Video)	Gain Control	Auto, manual
Camera Control Interface/Protocol	RS-232 / RS-422	White Balance	Auto, indoor, outdoor, one-push, manual R/B Gain
Video S/N Ratio	> 50dB	Exposure Control	Auto, manual
		Focus System	Auto, manual
		Image Flip	Yes
		Weight	2.0 kg (4.4 lbs)
		Dimensions(W x D x H)	Black 174 x 186 x 182.7 mm (6.9" x 7.3" x 7.2") White 174 x 186 x 185.7 mm (6.9" x 7.3" x 7.3")

I/O CONNECTIONS



Accessory

The VC-AC06/AC07 cable extender allows users to extend the distance between the computer / keyboard controller and cameras up to 300 ft (100 meters) via the RJ45 CAT5/6 cable. The VC-AC07 also supports the daisy-chain style to link up to seven cameras.



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