



Document Camera

Model No.: FC-85A

Document Camera is also called as digital visualizer, with in-built digital HD camera, it supports to scan real objects or documents to show on our displays in real time. Connected with displays or computers and with function of real-time showing, taking photos, annotating and saving as document, it helps presentation more efficiently. It's widely used for presentation in schools, banks and offices.

8MP HD CMOS sensor

- delivers sharp, detailed images.

Dual-side LED lighting

- adjustable brightness for low-light environments.

Multi-function control panel

- includes freeze, split screen, text/image mode, mirror and sharpness adjustment.

Features

22× optical + 10× digital zoom

- magnifies fine details clearly.

Standard USB 2.0, HDMI & VGA ports

- connects to computers, interactive boards, and projectors without extra purchases.

Full-featured software

- supports annotation, multi-screen comparison (up to 16 splits), video recording, and QR scanning.

Applications for Education, Conference and Training Presentation



Product Specifications

Product Name	Document Camera	
Model No.	FC-85A	
Optical Section	Zoom:	22x optical, 10x digital
	Focus:	Auto/Manual
Imaging System	Aperture:	Auto
	Imaging Device:	1/2.5" image sensor
	Resolution:	8 Megapixels
	TV Standard:	PAL Color System
	Horizontal Resolution:	≥950 TV lines (VGA)
	Signal-to-Noise Ratio:	≥50dB
Multimedia Functions	White Balance	Auto
	Button Functions:	Color/Black & White, Positive/Negative, Rotate, Mirror, Text/Image, Rotate, Image Freeze, Brightness Adjustment, Screen Comparison, Strobe, Sharpness +/-, with freely switchable Chinese/English menus
Illumination Section	Auxiliary Light:	Energy-saving low-carbon LEDs x2 (15 LEDs per side)
	Backlight:	Energy-saving low-carbon cold light guide plate (optional)
Input/Output Selection	RGB Switching:	Local/RGB1/RGB2
	Input Ports:	Audio Input: 2* 3.5mm jacks
		VGA Section: RGB *2
		HDMI: HDMI *1
	Output Ports:	Audio Output 3.5mm headphone jack (1 set)
		VGA section: RGB*2
		HDMI: HDMI*1
Control	USB 1, USB 2.0	
	Output formats:	VGA progressive scan, XGA, SXGA, 1080P
	Control method:	Control panel, remote control (optional)
Power	Lens rotation angle:	Vertical 270°
	Power supply:	DC12V/2A
Dimensions (W*D*H)	Power consumption:	≤20W
	Unfolded mode	450*370*550mm
	Folded mode	482*370*114mm
	Net weight:	3.5 kg



Software Features

- **Intuitive GUI Shortcuts**
 - The software includes dedicated graphical shortcut modules for document camera, video recording, screen comparison, and document capture, all clearly labeled in Chinese. Each interface offers a quick- navigation bar for seamless switching between functions, and the navigation module can be hidden to minimise distraction during teaching.
- **Flexible Image Control**
 - Real- time video display supports dynamic rotation and scaling: zoom in/out smoothly up to 1500% in 1% increments, with the centre point locked to the mouse cursor. You can also rotate the image 360° continuously or 90° in steps via software buttons. Additional quick- access features include resolution adjustment, video freeze, and one- click full- screen mode.
- **Built- in Whiteboard Annotation**
 - On any standard projection screen, you can annotate directly using a mouse or wireless pointer. The annotation tool supports 14- bit colour, adjustable transparency, stroke thickness, and a variety of shapes and text. Edits can be partially or fully erased, and all annotations can be saved or recorded—transforming the system into a simple yet effective electronic whiteboard.
- **Multi- Screen Comparison Teaching**
 - Display 1, 2, 3, 4, or even 16 images simultaneously on the same screen. You can switch between them in real time, and independently control zoom, rotation, saving, and annotation for each image—ideal for side- by- side comparison and interactive lessons.
- **Courseware & Document Management**
 - The software supports full- featured scanning and document capture: choose resolution and output file format, enable intelligent continuous shooting or timed burst, and apply automatic cropping, black- border removal, background removal, multi- page PDF generation, image merging, barcode/QR code decoding, and direct printing.
- **Video Recording**
 - Record lessons or demonstrations in AVI, WMV, or MP4 format, with selectable resolution, camera source, and microphone input. The save path is user- configurable for easy file organisation.
- **Image Format Support**
 - Captured images can be saved as JPG (default), BMP, TIF, or PDF, giving you flexibility for different use cases.
- **Self- Diagnosis & Troubleshooting**
 - The software includes a built- in fault- detection tool that helps identify the cause of “no image” issues. It provides guided fixes and step- by- step solutions, checking hardware connections, image decoders, graphics drivers, and camera channel conflicts—minimising downtime during class.