

**Lumens**<sup>®</sup>

# Professional Document Camera Family



## The Innovation Behind The Image

Industry leader in professional image processing technology

**4K-1080p | 30-60fps | 10x-30x Optical Zoom**  
**HDMI / USB / VGA / Ethernet / C-Video**



[www.MyLumens.com](http://www.MyLumens.com)

## Document Camera



**DC132U**



**DC136**



**DC172**



**DC193/PC193**



**DC-W80**



**DC-F80**



**DC-F20**

<b>Sensor</b>	1/3" 3M CMOS	1/3" 13MP CMOS	1/3" 13MP CMOS Color Image Sensor	1/3" CMOS Color Image Sensor	1/3" 13MP CMOS	1/3" 13M CMOS Color Image Sensor	1/4" 5M CMOS
<b>Megapixels</b>	3.3MP	13.48M	13M	3.25MP	13M	13M	5MP
<b>Total Zoom</b>	16x	3x (max.)	30x (max.)	240x (Optical 10x, Sensor 2x)	30x (max.)	30x (max.)	16x
<b>Mechanical Zoom</b>	8x	7x	6.8x	10x	3.4x	3.4x	6x
<b>Digital Zoom</b>	16x (via Software)	16x (via Software)	30x	12x	30x	30x	16x (via Software)
<b>Output Resolution</b>	1080p, 720p, XGA, SXGA, UXGA, QXGA	4K(2160p), 1600x1200, 1080p, 720p, XGA, 960x540, 640x480	4K (2160p), 1080p, 720p, XGA	1080p, XGA, SXGA(1280x960), WXGA	4K(2160p), 1080p, 720p, XGA	4K(2160p), 1080p, 720p, XGA	1080p, 720p, XGA, 2592x1944
<b>Frame Rate</b>	30 fps	2160p : 30fps 1080p / 720p : 60fps	2160p : 30fps 1080p : 60fps 720p / XGA : 60fps	30 fps	2160p : 30/25 fps 1080p : 30/60 fps 720p / XGA : 30/25 fps	2160p : 30/25 fps 1080p : 30/60 fps 720p / XGA : 30/25 fps	30 fps
<b>Shooting Area Max.</b>	18.8" x 14.1" (480 x 360 mm)	16.8" x12.6" (428mm x 321mm)	16.5" x 12.4" (420 x 316 mm )	14.6" x 11" (370 x 280 mm)	16.5" x 12.4" (420 x 316mm)	16.5" x 12.4" (420 x 316mm)	17.8" x 13.4" (453 x 340mm)
<b>Lamp</b>	LED x 1	LED x 1	LED x 1	LED x 2	LED x 1	LED x 1	LED x1
<b>Power</b>	USB Bus Power	USB Bus Power	External, 12V DC Adapter (100-240VAC)	Built-in Power Supply (100-240VAC)	USB Bus Power (5V 1~0.45A)	USB Bus Power (5V 1~0.45A)	USB Bus Power
<b>Input</b>	NA	NA	HDMI	VGA / HDMI	NA	NA	NA
<b>Output</b>	USB	USB 3.0	HDMI / USB 2.0	VGA / HDMI / USB / C-Video	WiFi / HDMI / USB 2.0	HDMI / USB 2.0	USB Type-C
<b>Control</b>	USB	USB	USB	RS-232 / USB	USB / Wi-Fi	USB	USB
<b>Built-in Microphone</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Memory Slot</b>	NA	NA	USB Flash Drive	USB Flash Drive	NA	NA	NA
<b>Built-in Memory</b>	NA	NA	100 Pictures	240 Pictures	NA	NA	NA
<b>Image Rotation</b>	0° / 180° / Flip / Mirror	0° / 180° / Flip / Mirror	0° / 90° / 180° / 270° / Flip / Mirror	0° / 180° / Flip / Mirror	0° / 180° / 90° / 270° / Flip / Mirror	0° / 180° / 90° / 270° / Flip / Mirror	0° / 180° / Flip / Mirror
<b>Standalone AV Recording</b>	Audio / Video (by Software)	Audio / Video (by Software)	Audio / Video Recording	Audio / Video Recording	Audio / Video (by Software)	Audio / Video (by Software)	Audio / Video (by Software)
<b>Free Lumens®Software</b>	Ladibug™ Software (MAC, Win11/10/7, Chrome OS)				Ladibug™ Software (MAC, Win11/10/7, Chrome OS)		
<b>Wireless Connection</b>	NA	NA	NA	NA	Yes	NA	NA

## Document Camera



### CL511

### PS752

### PS753

<b>Sensor</b>	1/2.8" 8.6MP CMOS	1/3" 3M CMOS Color Image Sensor	1/2.8" 8M CMOS Color Image Sensor
<b>Megapixels</b>	8.6MP	3.1MP	8.6MP
<b>Total Zoom</b>	300x (max.)	240x (Optical 10x, Sensor 2x)	300x (Optical: 10x, Sensor: 3x)
<b>Mechanical Zoom</b>	NA	NA	NA
<b>Digital Zoom</b>	15x	12x	30x (max.)
<b>Output Resolution</b>	XGA, 720p, 1080p, 2160p	1080p, XGA, SXGA, WXGA	XGA, 720p, 1080p, 2160p
<b>Frame Rate</b>	2160p: 30 / 25 1080p: 60 / 50 720p : 60 / 50 XGA	30 fps	30 fps for All Resolution 60fps for 1080p and 720p
<b>Shooting Area Max.</b>	At 2m Height Max : 87.9" x 47.6" (2235 x 1211mm) Min : 5.3" x 2.9" (136 x 76mm)	17.3" x 13" (440 x 330mm)	20.5" x 12.1" (522 x 308 mm)
<b>Lamp</b>	Laser Indicator	LED x 2 A4 Size LED Backlight	LED x 2 A4 Size LED Backlight
<b>Power</b>	PoE+ (IEEE802.3at) External, 12V DC (100~240 VAC)	External, 12V DC Adapter (100-240VAC)	External, 12V DC Adapter (100-240VAC) / PoE+
<b>Input</b>	USB	VGA / HDMI	HDMI
<b>Output</b>	VGA / HDMI / USB / Ethernet	VGA(x2) / HDMI / USB / C-Video	HDMI / VGA / USB 2.0 / Ethernet
<b>Control</b>	RS-232 / USB / Ethernet	RS-232 / USB	RS-232 / USB / IP
<b>Built-in Microphone</b>	NA	Yes	Yes
<b>Memory Slot</b>	USB Flash Drive	USB Flash Drive	USB Flash Drive
<b>Built-in Memory</b>	100 Pictures	240 Pictures	100 Pictures
<b>Image Rotation</b>	0° / 90° / 180° / 270° / Flip / Mirror	0° / 180° / Flip / Mirror	0° / 90° / 180° / 270° / Flip / Mirror
<b>Standalone AV Recording</b>	Audio / Video (by Software)	Audio / Video Recording	Audio / Video Recording
<b>Free Lumens®Software</b>	Ladibug™ Software (MAC, Win11/10/7, Chrome OS)		
<b>Wireless Connection</b>	NA	NA	NA

# Lumens®

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