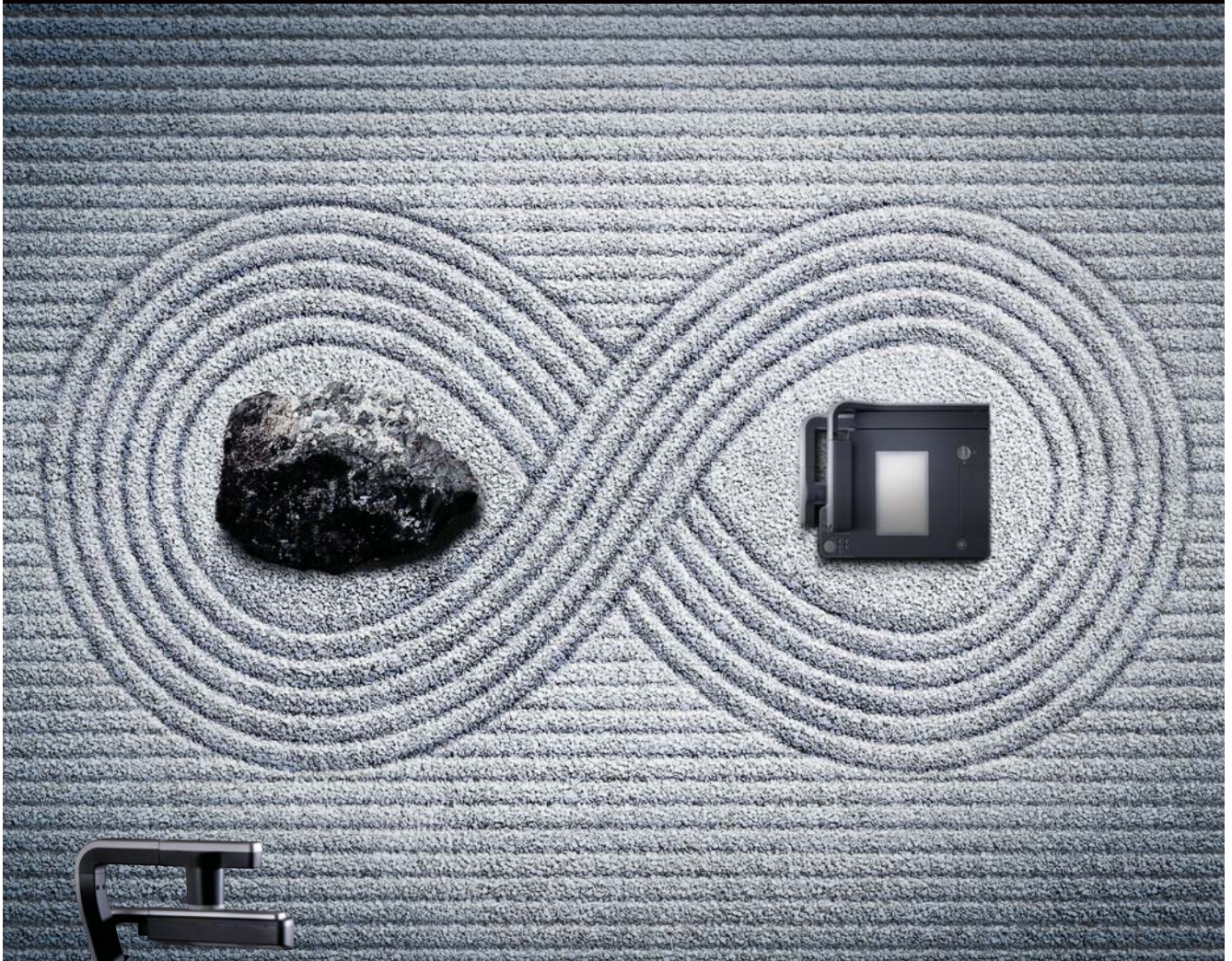


ELMO

VISUAL PRESENTER

P100
P100N

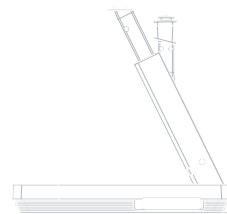
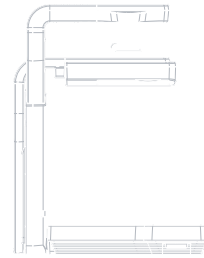
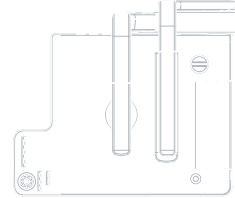
The mirror of infinite reality



NEW

The Ultimate Document Camera P100/P100N

Model	P100/P100N		
Camera	Image pick-up device	1/3" CMOS, Approx.1.350.000 pixels	
	Total pixels	1312 (H) x 1032 (V)	
	Effective pixels	SXGA output	1280 (H) x 1024 (V)
		HDTV 720p output	1280 (H) x 720 (V)
		XGA output	1280 (H) x 800 (V)
Frame rate	30 frames/sec.		
Resolution	RGB output	800 (H) x 800 (V) TV lines or more	
	Video output	450 (H) TV lines or more	
Optics	Zoom	16x optical, 4x digital	
	Lens	F2.7, f = 4.9 ~ 78.4mm	
	Shooting area	SXGA output	Max. 16" x 12 3/4" (405 x 324mm) Min. 1 1/8" x 1" (30 x 24mm)
		HDTV output	Max. 16" x 8 7/8" (405 x 224mm) Min. 1 1/8" x 5/8" (30 x 17mm)
		XGA output	Max. 16" x 12" (405 x 303mm) Min. 1 1/8" x 7/8" (30 x 23mm)
Limit of focus adjustment	with Close-up lens	TELE : 9 7/8" x 16 1/8" (250 ~ 410mm), WIDE : 3 3/8" x 16 1/8" (85 ~ 410mm) from close-up lens	
	without Close-up lens	TELE : 19 3/4" ~ ∞ (500mm ~ ∞), WIDE : 4" ~ ∞ (100mm ~ ∞) from zoom lens	
Focus		Auto/Manual (powered)	
Iris		Auto (with level adjustment) / Manual	
Functions	White balance	Full-auto/One-push/Manual	
	Negative/Positive conversion	Provided	
	Color/B&W selection	Provided	
	Gamma adjustment	Provided (GRAPHICS mode only)	
	Pause mode	Provided	
	Image rotation	Provided (0°, 180°, Automatic rotation by 180° for forward shooting)	
	Image mode	TEXT1 / TEXT2 / TEXT3 / GRAPHICS	
	Slide presetting	Provided (Up to 8 user settings)	
	Edge enhancement	Provided (GRAPHICS mode only)	
	Drawing function	Provided (on PC screen)	
	Screen separation	Provided (on PC screen : Live image+Saved image)	
	Image save	Provided (onto SD memory card)	
	Split display	Provided (SD memory card image, 9-splits, 16-splits)	
	Slide show	Provided (SD memory card image)	
	Sync.system	Internal	
Output	DVI output x1	TMDs data signal 0.5V (p-p) 50Ω terminated	
	Analog RGB output x1	0.7V(p-p) 75Ω unbalanced	SXGA(1280 x 1024@60Hz): Compliant with VESA
		Sync. signal SXGA positive polarity	Horizontal frequency 63.98kHz, Vertical frequency 60.02Hz
		HDTV negative polarity	HDTV(1280 x 720@60Hz): Compliant with HDTV
		XGA negative polarity	Horizontal frequency 44.7kHz, Vertical frequency 60Hz
			XGA (1024 x 768@60Hz): Compliant with VESA
			Horizontal frequency 48.363kHz, Vertical frequency 60.004Hz
	Composite video output x1		Compliant with NTSC / PAL
	Audio output (stereo) x1		Provided (P100N only)
	Terminal type	DVI output : DVI-D 24P connector, female	
RGB output : Mini Dsub 15P connector, female			
Composite video output : RCA pin jack / 75Ω unbalanced (NTSC / PAL)			
Audio output (stereo) : RCA pin jack / compatible impedance, 1kΩ or more 300mV(rms) (P100N only)			
Video output selection		Provided (NTSC / PAL)	
Video output size	Over scan / Under scan		
Input	RGB input x1	Mini Dsub 15P connector, female	
	Audio input (stereo) x1	φ3.5mm stereo jack / 200mV(rms) impedance, 20kΩ or more (P100N only)	
	Microphone input (mono) x1	φ3.5mm Jack / compatible impedance, 6.9kΩ 30mV(rms) (P100N only)	
	Input selection	In1 / RGB	
PC interface	RS-232C port	Dsub 9P connector, male x1	
	USB 2.0 port	Type B receptacle x1	
Memory card	SD Memory Card slot	Provided	
Lighting	Upper lighting unit	Twin fluorescent lamp	
	Base lighting unit	Cold-cathode tube	
Others	Supplied Accessories	AC adapter, Power cord (1.5m), Video RCA cable (3m), Analog RGB cable (Dsub 15P connector) (2m), DVI cable (2m), I/R remote control, Batteries (Type R03, AAA), Instruction manual, USB cable (1.5m), Warranty card, Installation manual for Utility Software, Utility Software CD-ROM, Ethernet cross cable (1m) (P100N only)	
	I/R remote control	Provided	
	Application software	Image Mate for Presentation, TWAIN driver [Windows 2000 (SP4 or later)/Windows XP (SP2 or later)]	
	Storage mode	Provided [Windows 2000 (SP4 or later) / Windows XP (SP2 or later)]	
	Built-in 3.5" LCD preview monitor	Provided	
	Dimensions (W x D x H)	Set up	18" x 20 1/2" x 23 1/8" (457 x 519 x 587 mm)
		Folded	18" x 22 1/8" x 5 1/2" (457 x 562 x 138 mm)
	Weight	Approx. 18.7 lbs (8.5kg) (Main unit only)	
	Power source	DC12V (AC adapter : AC100 to 240V)	
	Power consumption	P100 : 30W (AC adapter included), P100N : 35W (AC adapter included)	



Network	Interface	10BASE-T/100BASE-TX (RJ-45)
	Protocol	IP, ARP, ICMP, TCP, HTTP, FTP, Telnet
	Recommended browser	Internet Explorer 6.0 or newer
	OS	Windows 2000 (SP4 or newer) / XP (SP2 or newer) / Vista
	Connection port No.	HTTP:80, FTP:20, 21, telnet:23
	Language	English, Japanese
	Image format	Motion-JPEG
	Image size	SXGA : Horizontal 1280, Vertical 1024
		HDTV : Horizontal 1280, Vertical 720
		XGA : Horizontal 1280, Vertical 960
	Max. approx. Sfps	
	Frame rate	
	Number of clients simultaneously connectable to live screen	5 clients
	Number of clients simultaneously connectable to FTP server	1 client
	Still image display	JPEG
Main unit remote function	ZOOM, LAMP, BRIGHTNESS, FOCUS, GRAPHICS, TEXT, EDGE EFFECT, IMAGE ROTATION, POSI/NEGA, COLOR/B/W	



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