Medical Printers
Range

CP30DW

The ideal solution for color documents

Thanks to its compact design, the digital color printer CP30DW can be integrated into all standard medical applications - ultrasound or endoscopy, for example. It is simple to install and even simpler to use: its paper cassette and ink sheet cartridge are easy to handle because its practical front-loading system makes replenishing consumables a child's play. The unit's ergonomically placed LED display provides key operating data that can easily be read from any angle. Its generously sized integrated paper tray accommodates a large number of prints - and the paper exit slot is even illuminated for use in darkened rooms.

The CP30DW meets the highest demands in tems of quality too: The dye sublimation process guarantees clean lines and extremely sharp images. And with its 16.7 million colors and 423 dpi resolution, the CP30DW is always true to detail.

MAIN FEATURES

- 423 dpi and 16.7 million colors
- Compact and ergonomic design
- High speed USB interface (2.0)
- Illuminated paper exit slot
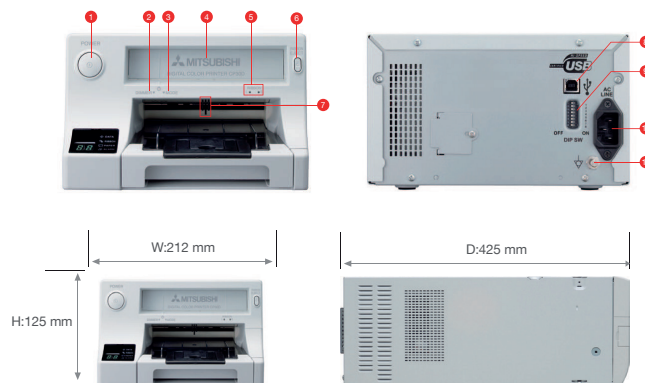- Large integrated paper tray

SPECIFICATIONS

FRONT PANEL

1 Power button
2 Dimmer button
3 Mode button
4 Ribbon cartridge loading slot
5 Ribbon size indication
6 Ribbon/eject button
7 Stack sensor

REAR PANEL

8 USB terminal
9 DIP switch
10 AC LINE socket
11 Equipotential terminal

W:212 mm

H:125 mm

D:425 mm

TECHNICAL SPECIFICATIONS

Model	CP30DW
Print method	Dye sublimation
Resolution	Thermal head 423 dpi (16.7 dots/mm) max. resolution: 1600x2100 dots
Color depth	24 bit, 256 color gradations for yellow, magenta, cyan 16.7 milion colors
Print speed/Picture (without data transfer)	S-format: approx. 16 sec (standard mode); approx. 19 sec. (power save mode) L-format: approx. 25 sec (standard mode); approx. 30 sec. (power save mode)
Print size	S-format: 100 x 94 mm L-format: 148 x 100 mm
Print Area	S-format: 96 x 72, 1600 x 1200 dots L-format: 126 x 96, 2100 x 1600
Paper capacity	S-format: 80 sheets L-format: 50 sheets
Printer memory	2 frames (32 MB)
Interface	USB 2.0 (High Speed)
Printer driver	Microsoft Windows 2000/XP/Vista/7/8/10 (32&64 bit)
Power supply	AC 120V, 50/60 Hz AC 220-240V, 50/60Hz
Power consumption max.	at AC 120V: approx. 1.5A while printing, approx. 0.2A stand-by at AC 220-240V: approx. 0.9A while printing, approx. 0.2A stand-by
Dimensions (WxHxD)	approx. 212 x 125 x 425 mm
Weight	approx. 7.3kg
Approvals	TÜV-GS, TÜV-GM, CE (LVD, EMC, MDD), UL, CSA
Special features	Mitsubishi Adaptative Thermal-Head Management Engine
Accessories (incl. in delivery)	Power cable, paper cassette, operation manual, CD-ROM with printer driver
Consumables	CK30L, CK30L4P, CK30S, CK30S4P

CP30W

The perfect color documentation without side effects

First class results without any undesirable side effects -thanks to the CP30W analog color printer. Its brilliant prints are characterized by clear definition and sharpness of detail - and no signs of blurring. Its improved cooling system ensured extremely quiet operation. With its compact size, the device itself can be easily integrated in every type of system, for example, an ultrasound application.

Operating the CP30W is child's play: the eronomically arranged LED display presents the most important operating data and can be read from every angle. The paper cassette runs on rails, guaranteeing perfect paper loading every time. The paper exit slot is even illuminated for use in dark rooms.
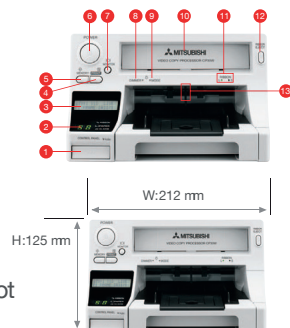

MAIN FEATURES

▮ New generation ultra-silent color videoprinter can print from video signal S-size (96x71mm) high quality color images in only 16 seconds! Input signals VIDEO/S-VIDEO and RGB from both norms PAL&NTSC
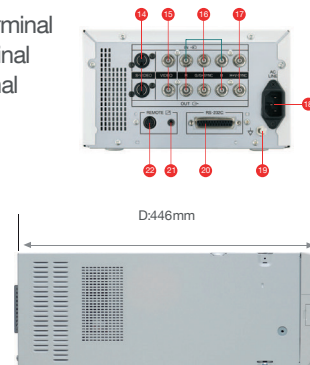
▮ 423 dpi resolution

SPECIFICATIONS

FRONT PANEL

1 Control panel
2 Status display indicator
3 LC-display
4 Print button
5 Memory button
6 Power button
7 Monitor button
8 Dimmer button
9 Mode button
10 Ribbon cartridge insert slot
11 Ribbon size indicator
12 Ribbon/eject button
13 Stack sensor

W:212 mm

H:125 mm

REAR PANEL

14 S-VIDEO image input/output terminal
15 VIDEO image input/output terminal
16 RGB analog input/output terminal
17 Synchronous signal i/o terminal
18 AC LINE socket
19 Equipotential terminal
20 RS-232C connection port
21 REMOTE1 terminal
   (stereo jack)
22 REMOTE2 terminal
   (Mini DIN 8-pin)

D:446mm

TECHNICAL SPECIFICATIONS

Model	CP30W
Print method	Dye sublimation
Resolution	Thermal head 423 dpi (16.7 dots/mm) max. resolution: 1600x2100 dots
Color depth	24 bit, 256 color gradations for yellow, magenta, cyan 16.7 milion colors
Print speed/Picture (without data transfer)	S-format: approx. 16 sec (standard mode); approx. 19 sec. (power save mode) L-format: approx. 25 sec (standard mode); approx. 30 sec. (power save mode)
Print size	S-format: 100 x 94 mm, L-format: 148 x 100 mm
Print Area	S-format: 96 x 72, 1600 x 1200 dots, L-format: 126 x 96, 2100 x 1600
Paper capacity	S-format: 80 sheets, L-format: 50 sheets
Printer memory	8 frames (32 MB)
Interface	RGB analog - 4 x BNC for in - and output Y/C (S-Video) - 1 x mini DIN 4-pin for in - and output FBAS (composite video) - 1 x BNC for in - and output RS-232C 25 pin D-sub for control signal REMOTE2 mini DIN 8-pin for remote control REMOTE1 stereo jack 3.6mm for remote control
Input signal	PAL/NTSC dual interface (auto switch)
Power supply	AC 120V, 50/60 Hz AC 220-240V, 50/60Hz
Power consumption max.	at AC 120V: approx. 1.7A while printing, approx. 0.3A stand-by at AC 220-240V: approx. 1.0A while printing, approx. 0.3A stand-by
Dimensions (WxHxD)	approx. 212 x 125 x 425 mm
Weight	approx. 7.3kg
Approvals	TÜV-GS, TÜV-GM, CE (LVD, EMC, MDD), UL, CSA
Special Features	Mitsubishi Adaptative Thermal-Head Management Engine
Accessories	Power cable, paper cassete, operation manual
Consumables	CK30S, CK30L, CK30S4P, SK30L4P

CP31W

Perfect color documents without side effects

The CP31W analog color printer offers first-class results without any unwanted side effects. Its brilliants prints boast clear definition, sharpness of detail, without the slightest hint of smudging, while its redesigned cooling system keeps operating noise to an absolute minimum. The compact dimensions of the device also allows it to be easily integrated into practically any system, including ultrasound applications.

Operating the CP31W is a child's play: system commands are entered via an integrated control panel, eliminating the risk of a lost remote control. Ribbon cartridges can easily be changed from the front, and the paper cassette runs on rails, guaranteeing perfect paper loading every time.

MAIN FEATURES

- New generation ultra-silent color videoprinter can print from video signal S-size (96x71mm) high quality color images in only 16 seconds! Input signals VIDEO/S-VIDEO and RGB from both norms PAL&NTSC
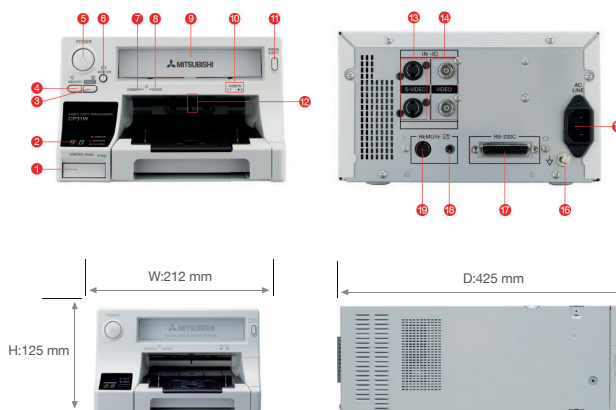- 423 dpi resolution

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PHOTO PRINTING SOLUTIONS

SPECIFICATIONS

FRONT PANEL

1. Control panel
2. Status display indicator
3. PRINT button
4. MEMORY button
5. POWER button
6. MONITOR button
7. DIMMER button
8. MODE button
9. Ribbon cartridge insert slot
10. Ribbon size indicator
11. Ribbon/eject button
12. Stack sensor
13. S-VIDEO image i/o terminal
14. VIDEO image i/o terminal

REAR PANEL

15. AC LINE socket
16. Equipotential terminal
17. RS-232C connection port
18. REMOTE1 terminal (stereo jack)
19. REMOTE2 terminal (Mini DIN 8-pin)

TECHNICAL SPECIFICATIONS

Model	CP31W
Print method	Dye sublimation
Resolution	Thermal head 423 dpi (16.7 dots/mm) max. resolution: 1600x2100 dots
Color depth	24 bit, 256 color gradations for yellow, magenta, cyan 16.7 milion colors
Print speed/Picture (without data transfer)	S-format: approx. 16 sec (standard mode); approx. 19 sec. (power save mode) L-format: approx. 25 sec (standard mode); approx. 30 sec. (power save mode)
Print size	S-format: 100 x 94 mm, L-format: 148 x 100 mm
Print Area	S-format: 96 x 72, 1600 x 1200 dots, L-format: 126 x 96, 2100 x 1600
Paper capacity	S-format: 80 sheets, L-format: 50 sheets
Printer memory	8 frames (32 MB)
Interface	Y/C (S-Video) - 1 mini-DIN 4-pin for in- and output FBAS (composite video) - 1 x BNC forn in-and output RS-232C 25-pint D-sub for control signal REMOTE 2 mini-DIN 8-pin for remote control REMOTE 1 stereo jack 3.6mm for remote control
Input signal	PAL/NTSC dual interface (auto switch)
Power supply	AC 120V, 50/60 Hz AC 220-240V, 50/60Hz
Power consumption max.	at AC 120V: approx. 1.7A while printing, approx. 0.3A stand-by at AC 220-240V: approx. 1.0A while printing, approx. 0.3A stand-by
Dimensions (WxHxD)	approx. 212 x 125 x 425 mm
Weight	approx. 7.6kg
Approvals	TÜV-GS, TÜV-GM, CE (LVD, EMC, MDD), UL, CSA
Special Features	Mitsubishi Adaptative Thermal-Head Management Engine
Accessories	Power cable, paper cassete, operation manual
Consumables	CK30S, CK30L, CK30S4P, SK30L4P

P93DW

Speed is no mystery, but a highly developed technology

The P93DW not only prints fast, but thanks to its USB 2.0 connection, your pictures are sent to the printer at lightning speed. This is because, particularly in the area of medical documentation, quality control or surveillance services, there are more important things to do than wait for the printout. A truly highly developed technology however, offers not just rapidity but extreme ease of use too.

The comfortable adjustment possibilities make the P93DW your personal assistant. You have the choice between 7 different picture formats and can insert texts of up to 40 characters or a date & time stamp. When printing more than one picture can be reduced (paper save function). Also, while the adjustment of you P93DW is easy, the lock function enables you to protect your individual settings as long as you want.
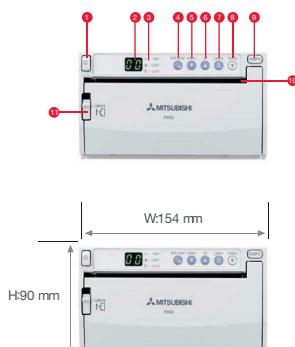

MAIN FEATURES

- 325 dpi high resolution printhead
- Print speed from 3.7 seconds
- Compact size of only 154x90x256mm
- Quick and easy adjustment on the front panel
- Panorama print up to 100x450mm
- Extensive adjustment possibilities using the printer driver

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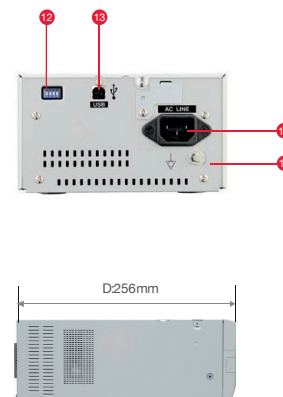
PHOTO PRINTING SOLUTIONS

SPECIFICATIONS

FRONT PANEL

1 Power switch
2 LED display
3 BRT/CONT/LOCK display
4 BRT/CONT button
5 DOWN button
6 UP button
7 LOCK button
8 FEED button
9 COPY button
10 Printout/Cutter

W:154 mm
H:90 mm

REAR PANEL

11 OPEN lever
12 MODE switch
13 USB interface
14 Power terminal (AC LINE)
15 Potential equalization terminal

D:256mm

TECHNICAL SPECIFICATIONS

Model	P93DW
Print method	Thermal sensitive
Resolution	Printhead 325 dpi (12.8 dots/mm), max. resolution: 1280x5760 dots (Panorama)
Color depth	256 greyscales
Print speed/Picture	Interpolate 2.0x: approx. 3.7 seconds Interpolate 1.6x: approx. 3.7 seconds Interpolate 1.25x: approx. 3.7 seconds Normal: approx. 3.7 seconds 1:1: approx. 5.0 seconds 1:1.5: approx. 7.5 seconds Panorama: approx. 22.5 seconds
Paper size	Thermal paper roll, 110mm wide, approx. 18-21m long
Print Area	Interpolate 2.0x: 100 x 75mm , 1280 x 960 dots Interpolate 1.6x: 98 x 73mm, 1250 x 938 dots Interpolate 1.25x: 100 x 75mm, 1280 x 960 dots Normal:100 x 75mm, 1280 x 960 dots 1:1: 100 x 100mm, 1280 x 1280 dots 1:1.5: 100 x 150mm, 1280 x 1920 dots Panorama: 100 x 450mm, 1280 x 5760 dots
Picture Memory	1 frame (8MB), repeat print with the COPY button
Interface	USB Ver. 2.0
Special features	Adjustments via printer: 39 steps for contrast and brightness, LOCK button to block button functions, multiple copies. Adjustments via driver: negative print, reverse print direction, multiple copies, comment lines with 40 characters, date & time stamp, paper save function, 5 different gamma curves, 255 steps for contrast and brightness.
Printer Driver	Windows 2000/XP/Vista/7 (32 and 64 bit), 8 (32 and 64 bit), 10 (32 and 64 bit), Linux
Power supply	AC 100-240V ± 10%, 50/60Hz
Power consumption	approx. 130 watts during printing, 10 watts in stand-by
Dimensions (WxHxD)	approx. 154 x 90 x 256 mm
Weight	approx. 2.8kg
Approvals	TÜV-GS/GM, CE (LVD, EMC, MDD)
Accessories (incl. in delivery)	Power cable, cleaning paper, operation manual, printer driver (CD-ROM), thermal paper KP65HM-CE
Consumables	K95HG, KP91HG-CE, KP65HM-CE, KP63HM, KP61B-CE

P93E

Let's go into more detail on picture quality

Meeting the high demans of medical domcumentation. Fast, precise and at the same time very efficient. This is the standard the new analogue b/w video printer has set itself. 256 grayscales and a 352 dpi resolution guaranty the truly detailed, contrast rich printing of patient pictures. And this in speedy 3.9 seconds. At the same time the picture memory of the P93E delivers up to 10 frames, which can be individually selected. Free choice is also available over the adjustments. The P93E can print specific parts of the image. You can print in increments of 0.1 and set the picture enlargement scale from 0.5 to 2.0. To control the brightness and contrast, there are 39 steps available to you (from -19 to +19). Convenient too: All picture corrections are adjustable using the control switches on the front panel, and are also shown by a LED indicator.

MAIN FEATURES

- User-friendly settings with control switches and LED control
- High resolution thermal head with 325 dpi
- Extremely compact dimensions and lightweight design
- Fast print speed
- 7 different picture formats

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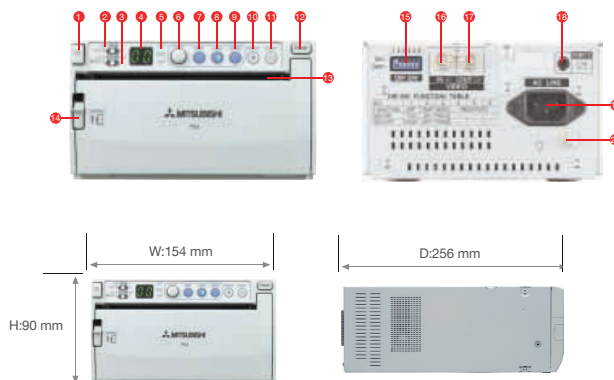
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PHOTO PRINTING SOLUTIONS

SPECIFICATIONS

FRONT PANEL

1	Power switch
2	SIZE switch
3	MODE switch
4	LED indicator
5	BRT/CONT/EXP indicator
6	ADJUST control
7	BRT button
8	CONT button
9	FUNC button
10	FEED button
11	COPY button
12	PRINT button
13	Printout/Cutter
14	Open lever

REAR PANEL

15	DIP switch
16	VIDEO IN connector (BNC)
17	VIDEO OUT connector (BNC)
18	Remote control terminal
19	Power terminal (AC LINE)
20	Potential equalization terminal

W:154 mm

H:90 mm

D:256 mm

TECHNICAL SPECIFICATIONS

Model	P93E
Print method	Thermal sensitive
Resolution	Printhead 325 dpi (12.8 dots/mm), max. resolution: 1280x600 dots (PAL/normal)
Color depth	256 greyscales
Print speed/Picture (without data transfer)	Normal: 3.9 seconds (PAL/Underscan) Normal 2 split: 3.9 seconds (Pal/Underscan) Side: 8.4 seconds (Pal/Underscan) Side 2 split: 4.2 seconds (Pal/Underscan) 1:1: 5.0 seconds (Pal/Underscan) 1.7-times: 10.6 seconds (Pal/Underscan) 2-times: 11.6 seconds (Pal/Underscan)
Paper size	Thermal paper roll, 110mm wide
Print Area	Normal: 100x75mm (PAL/Underscan) Normal 2 split: 50x37mm (Pal/Underscan) Side: 99x133mm (Pal/Underscan) Side 2 split: 47x63mm (Pal/Underscan) 1:1: 100x100mm (Pal/Underscan) 1.7-times: 100x227mm (Pal/Underscan) 2-times: 100x266mm (Pal/Underscan)
Picture enlargement	0.5 to 2.0
Picture memory	10 frames
Interface	BAS/FBAS (Composite), BNC connector for input and output
Special features	39 steps for contrast and brightness, paper-saving function, 5 different gamma curves, selectable print area by expansion, negative print, reversed print direction, multiple copies
Power supply	220-240V, 50/60Hz; 100-120V, 50/60HZ
Power consumption	approx. 115W during printing, approx. 10W in stand-by
Dimensions (WxHxD)	approx. 154 x 90 x 256 mm
Weight	approx. 2.8kg
Approvals	TÜV-GS/GM, CE (LVD, EMC, MDD)
Accessories (incl. in delivery)	Power cable, wire remote control, cleaning paper, thermal paper KP65HM-CE, BNC-signal cable, operation manual
Consumables	KP61B-CE, KP65HM-CE, KP91HG-CE

P95DE

The new compact that gets straight to the point

Compact size, outstanding print quality and exceptionally fast printing - the P95DE digital printer, the successor to the P93DW, has all the qualities of a top-class system printer, making it ideal for use in medical applications. The new thermal head and optimised heating process guarantee pinsharp printouts and clearly defined images. Printing is 50% faster than with its predecessor, and the 1280 x 5760 pixel resolution allows exceptional long format to be printed on the new high-gloss paper. It's economical too: thanks to a reduction in the amount of white space between images, the P95DW gives you 12% more printouts per roll.

MAIN FEATURES

- 325 dpi with 16-bit data processing
- 1.9 secs print time per image
- Optimised heating process thanks to Print control Engine
- Exceptional long print format possible (100x450mm)
- Compact design and dimensions (154x84.5x239)
- New high/gloss thermal paper

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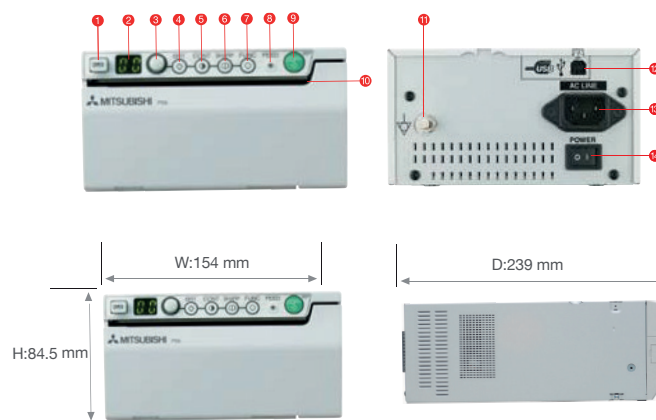
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SPECIFICATIONS

FRONT PANEL

1 OPEN button
2 LED display
3 Rotary knob
4 BRT button
5 CONT button
6 SHARP button
7 FUNC button

8 FEED button
9 COPY button
10 Print exit/cutter

REAR PANEL

11 Potential equalization terminal
12 USB terminal
13 Power supply (AC LINE)
14 Power switch

W:154 mm

D:239 mm

H:84.5 mm

TECHNICAL SPECIFICATIONS

Model	P95DE
Print method	Thermal sensitive
Resolution	Thermal head 325 dpi (12.8 dots/mm) max. resolution: 1280x5760 dots
Color depth	256 greyscales
Print speed/Picture (without data transfer)	1.9 secs (100x75mm)
Print size	Thermal paper roll, 110mm wide, approx. 18-20m long
Print Area	100x75 mm (standard)/ 100x450 mm (max.)
Picture memory	1 Frame (8MB), repeat print with the COPY button
Interface	USB 2.0 High-speed
Printer driver	Microsoft Windows 2000/XP/7/8/10/Vista (32 & 64 bit), Linux (32 & 64bit)
Power supply	AC 100-240V, 50/60Hz
Power consumption max.	at AC 120V: approx. 1.5A while printing, approx. 0.15A stand-by at AC 220-240V: approx. 0.8A while printing, approx. 0.15A stand-by
Dimensions (WxHxD)	approx. 154 x 84.5 x 239 mm
Weight	approx. 2.6kg
Operating temperature	approx. 5-40ºC
Humidity	20-80% RH (no condensation)
Approvals	TÜV-GS/GM, CE (LVD, EMC, MDD), UL, CAN/CSA
Special Features	16-bit internal data processing Adjustments via printer: 39 steps for contrast and brightness, 16 steps for sharpness, 5 different gamma curves, block printer settings, extensive adjustments via printer driver
Accessories	Operation manual, CD-ROM with printer driver, power cable, USB cable, thermal paper, cleaning paper
Consumables	KP61B-CE, KP65HM-CE, KP91HG-CE, K95HG, KP63HM

P95DW-DC

The new compact black & white printer

With its new minimized dimensions of only 130mm depth, the new P95DW-DC is much smaller than other printers. By this minimized size, weight and 24V DC power supply, the printer is intended to be integrated into smallest space of CT/MRT for printing photo realistic BW images from 100x75mm up to panorama 450x100mm. Simple operation from front panel buttons, easy and fast exchange of paper within few seconds, maintenance free operation are bases for long-term and troublefree usage, on the other side 7 different picture formats, sophisticated possibilities of driver with individually adjustable gamma curve for precise adjustment of printer to fit maximally to any application.

MAIN FEATURES

- Minimized size: 154 x 84,5 x 130mm
- Minimized weight: 1,6kg
- Printing of B&W images size from 100x75 up to 450x100mm
- Printing speed from 4.9 secs
- 24V DC power supply
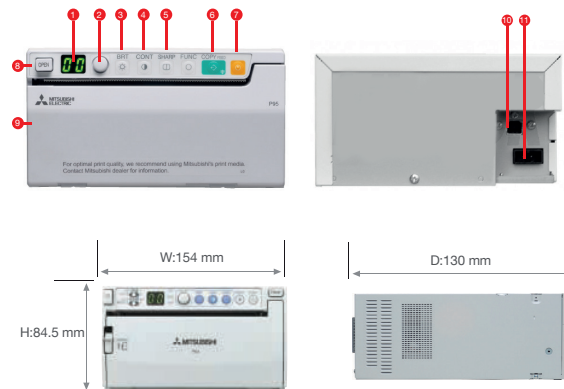- Choose over 5 thermal Mitsubishi papers

SPECIFICATIONS

FRONT PANEL

1 Display
2 Brightness adjustments
3 Brightness button
4 Contrast button
5 Sharpness button
6 Print button
7 ON/OFF
8 Open button
9 Front door

REAR PANEL

10 USB 2.0
11 24V DC

W:154 mm

D:130 mm

H:84.5 mm

TECHNICAL SPECIFICATIONS

Model	P95DW-DC
Print method	Thermal printing on thermal sensitive papers
Resolution	1280 dots x 960 (standard print size) 325 dpi thermal head 12.8 dots/mm
Printing size/speed	NORMAL 100x75mm/4.9 secs (1280x960) 100x80mm (1280x1024) 1:1 100x100mm (1280x1280) 1:1.5 100x150mm (1280x1920) PANORAMA 100x450mm (1280x5760) 4 different 100x100mm (1280x1280) interpolation 640x640 4 different 100x75mm (1280x960) interpolation 640x480
Memory	8 MB RAM
Interface	USB 2.0
Printer driver	Microsoft Windows 7/8/10 (32 & 64 bit), Linux (32 & 64bit), MacOS
Printer settings	5 gamma curves, BRT/ CONTRAST/ SHARPNESS of image
Power requirements	24 V DC (+20%, -15%)
Power consumption max.	3.5A during printing
Power connector	Tyco Electronics D 3000 (2 poles)
Dimensions (WxHxD)	154 x 84.5 x 130 mm
Weight	approx. 2.6kg
Operating temperature	approx. 5-40ºC
Humidity	20-80% RH
Approvals	P95DW-DC comply with class A digital device, Canadian ICES-003
Accessories	Power cable, cleaning sheet, 1 roll KP95HG paper, USB cable, Operation and installation manual, CD with driver for Windows 7/8/10, (bush + cover + holder + core + screw).
Consumables	KP61B-CE, KP65HM-CE, KP91HG-CE, K95HG, KP63HM