

# CP-31W



## HIGH SPEED, MULTI-FUNCTION PRINTER WITH EXCEPTIONAL IMAGE QUALITY AND RELIABILITY.

### Key Features

- High speed output – 16 seconds for S-size prints
- Equipped with high-performance DSP engine and 423 dpi thermal head
- Vivid, smear-free gradation
- Large capacity 32MB memory engineered to handle 8-frame memory
- Multi-print function for application versatility
- Low noise design
- Easy-to-use, convenient front access
- Long lasting quality and reliability

Mitsubishi's CP-31W has taken medical imaging to a new level. Equipped with high-performance DSP engine and a 423 dpi thermal head, the CP-31W provides optimum print quality with vivid, smear-free gradation. It is also exceptionally fast – 16 seconds for S-size and 25 seconds for L-size output. The CP-31W is equipped with a selection of gamma curves to handle ultrasonic diagnosis systems, endoscopes and other sophisticated medical instruments, simplifying user gamma curve fine-tuning and color adjustment. For application versatility, the CP-31W enables you to choose between multi-prints split into 2 or 4 frames. The printer features a "hassle-free" all-front access design including automatic loading for ribbon cartridge replacement, an internal wide-mouth paper catcher, and built-in lighting to track print status which is especially useful when working in dimly lit or dark areas. Whatever your medical requirement, Mitsubishi's CP-31W delivers both quality and convenience.

*If It's Medical Imaging, It's Mitsubishi.*

## Analog Color Printer

### FEATURES AND SPECIFICATIONS

#### Dependable, High Resolution Images For Medical Applications

With 423 dpi high resolution and a new adaptive thermal head management control engine, the CP-31W provides vivid, smear-free gradation images. Brilliant reproduction of white letters against black backgrounds is also achieved.



#### High Speed Output

Prints S-size output in 16 seconds and L-size output in 25 seconds.

#### Automatic Loading for Trouble-Free Ribbon Cartridge Replacement

Single-action operation by placing the ribbon cartridge into the front of the unit. When the ink cartridge runs out, the cartridge is automatically ejected for easy replacement.

#### Front Design is Easy to View and Operate

Printer operation panel functions are displayed on the front of the unit. An LED display identifies "data being processed" and several operation modes at a glance. Printing status is extremely clear, even with the unit placed in a rack mount or other mounting configuration.

#### Paper Cassette Engineered for Easy Mounting

Replacement of the paper cassette is fast and simple.

#### Compact Design

Compact unit size for easy integration into any environment

#### Paper Catcher with Room to Spare

The wide-mouth paper catcher is built with room to spare on both right and left sides, making output retrieval easier than ever.

#### Effective Heat and Dust Case Design

The case design provides an efficient cooling of the thermal head and power supply unit, with air ducts ensuring the gentle flow of side intake air to the front. Clears dust better than any other unit.

#### Multi-Print Function Expands Applications

Choose between multi-prints split into 2 or 4 frames.

#### Low Noise

Operation noise slashed by approx. 6db (in standby mode) compared to our conventional model.

Printing System	Dye sublimation thermal transfer
Head Resolution	423 dpi
Print Resolution (Dots)	1600 x 1200 (S-size); 2100 x 1600 (L-size)
Gradation	256 gradation each for YMC; 16.7 million hue full color
Paper Size	S-size 3.94 x 3.70" (100 x 94 mm); L-size 3.94 x 5.83" (100 x 148 mm)
Print Size	S-size 3.78 x 2.83" (96 x 72 mm); L-size 3.78 x 5.00" (96 x 126 mm)
Paper Capacity	3P: S-size 80 sheets, L-size 50 sheets; 4P: S-size 60 sheets, L-size 40 sheets
Print Speed	3P: S-size approx. 16 sec., L-size approx. 25 sec.; 4P: S-size approx. 20 sec.; L-size approx. 31 sec.
Interface	S video, composite video
Memory Capacity	8-frame memory
Control Terminal	RS-232C (D-Sub 25 pin) rear mounted remote port (Mini DIN 8 pin, stereo mini-jack)
Dimensions (W x H x D)	8.35 x 4.92 x 16.73" (212 x 125 x 425 mm)
Weight	16.7 lbs. (7.6 kg) main unit only
Power Supply	120V AC 50/60 Hz; 220-240V AC 50/60 Hz
Power Consumption	120V AC 50/60 Hz: 1.7A (printing), 0.3A (standby) 220-240V AC 50/60 Hz: 1.0A (printing), 0.3A (standby)
Regulatory Approvals	EN60950-1, EN60601-1, EN60601-1-2, TUV-GS, TUV-GM, UL60950-1, UL6060-1 CSA C22.2 No. 60950-1, No. 60601.1
Accessories	AC power cord, paper cassette, instruction manual

*NOTES: Print speed and power consumption are valued for "standard" printing mode. The printer is not a medical device, thus, any printed images are for reference only and it should not be used for diagnosis unless such application has been designed under approval as diagnostic imaging equipment.*

#### OPTIONS (Paper/Ink Ribbon Sets and Footswitch)

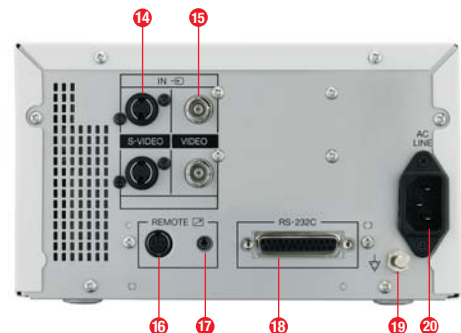
CK30S	S-size printing paper and ribbon cartridge, 80 sheets x 3 packs
CK30L	L-size printing paper and ribbon cartridge, 50 sheets x 4 packs
CK30S4P	S-size overcoat printing paper and ribbon cartridge, 60 sheets x 3 packs
CK30L4P	L-size overcoat printing paper and ribbon cartridge, 40 sheets x 4 packs
R800F	Footswitch

#### FRONT PANEL



1. Power button
2. Memory button
3. Print button
4. Status display indicator
5. Control panel
6. Monitor button
7. Dimmer button
8. MODE button
9. Stack sensor
10. Ribbon cartridge insert slot
11. Ribbon size indicator
12. Dial cover

#### REAR PANEL



13. Ribbon eject button
14. S-video input/output
15. Video input/output
16. Remote 2 (Mini DIN 8 pin)
17. Remote 1 (stereo jack)
18. RS-232C connection
19. Equipotential terminal
20. AC line socket

©2007 Mitsubishi Digital Electronics America, Inc. Standard features, options and specifications subject to change without notice. Microsoft, Windows and the Windows logo are registered trademarks of the Microsoft Corporation. All trademarks or registered trademarks are the property of their respective holders.

Printed on 50% recycled paper including 20% post-consumer fibers.

Mitsubishi Digital Electronics America, Inc.  
Imaging Products Division  
9351 Jeronimo Road  
Irvine, CA 92618  
Toll Free: 888-307-0388  
ipdinfo@mdea.com  
www.mitsubishi-imaging.com

Technical Support:  
Toll Free: 888-307-0309  
Email: tsupport@mdea.com

Canada:  
Mitsubishi Electric Sales Canada Inc.  
Information Technologies Group  
Markham, Ontario  
905-475-7728  
www.MitsubishiElectric.ca

