



Render high quality DICOM images on paper!

## Simple Solutions Designed for Impact, Speed & Flexibility

- Receive and print images from multiple DICOM modalities
- Low cost DICOM print solution
- Reduce chemical film processing
- Not intended for diagnostic purposes





MAIN MENU

The **CYPHER PS** is very versatile on configuring printer rules that will let you take control of your exam's image management. Depending on the modality requesting to print, **CYPHER PS** allows the user to decide:

- Which imagePRESS C1+ network printer to send the output to
- Which format to use

Any number of printer rules can be added to the system. For each rule the following information is configured:

- Calibration:** Prompt CYPHER PS to perform calibration
- Calling AET:** Print SCU Application Entity Title (AET)  
[ Assumptions: The calling modality is DICOM printer compliant, meaning that it will act as a Service Class User (Print SCU) ]
- Type:** Medium type that the modality will request.
- Size:** FilmSize ID that the modality will request.
- Gamma:** Values range from .10 to 2.90 with an increment of .10. Values lower than 1.00 will darken the image; values higher than 1.00 will lighten the image.
- Contrast:** Values range from -5 to +5 with an increment of 1. Values higher than 0 will give higher contrast; values lower than 0 will give lower contrast.
- Printer Name:** The Windows® printer name.
- Destination:** Printer tray is determined by the requesting modality



With the exception of Gamma and Contrast, no particular settings are required by **CYPHER PS**. At the modality, these are the typical steps the user should follow optimal calibration:

- Set AET=CYPHER PS for the Print SCU printer
- Set the FormatSize ID to 1x1
- Send 1 (one) image for printing

The **CYPHER PS** will then start the calibration procedure. A 3x3 grid will print multiple times using the same image under varying Gamma and Contrast values for each image. Upon completion, these images should be compared with the modality's display image. Choose the one that closely resembles the display image and adjust gamma and contrast values accordingly. Repeat the procedure if necessary.



Certifications: CSA, cGMP, 510k, ISO9001



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