

NanoCareRIP User Manual

1. Purpose

NanoCareRIP is a Windows DICOM Print SCP for clinics using local printers. The field model is offline-first: the dealer activates one lifetime printer license per physical printer and recharges printable pages with offline codes linked to paper or film orders.

2. Before installation

- Windows 10 or later
 - Windows printer driver installed and tested
 - fixed IP address recommended on the NanoCareRIP PC
 - DICOM modality ready to print to NanoCareRIP
 - dealer-provided offline license or registration code
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3. Install NanoCareRIP

1. Run the installer as Windows administrator.
 2. Start NanoCareRIP.
 3. Allow Windows Firewall access for the DICOM port.
 4. Note the automatically generated Serial and ID. Do not edit them.
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4. Offline activation

1. Give the dealer the clinic name, address, Serial, ID and printer model.
2. The dealer registers the client printer in the portal.
3. The dealer provides the offline license file or code.
4. Apply it on the NanoCareRIP PC and restart the application.

One printer consumes one license. A clinic with five printers consumes five licenses.

5. Create a DICOM node

1. Click Add Printer.
2. Enter the Called AE Title used by the modality.
3. Select the Windows printer, tray and paper size.

4. Save.

5. Configure the modality with NanoCareRIP PC IP, DICOM port and Called AE Title.

6. Printer, trays and paper

The Windows driver is the source for printers, trays and paper sizes. The paper size must match in Windows, NanoCareRIP and the modality.

7. Image tuning

Use brightness, contrast, gamma and sharpness carefully. Print a reference image before changing values and save the validated profile per printer and paper type.

8. Offline page recharge

When paper or film is purchased, the dealer generates a recharge code for the related page quantity. Enter the code in the local recharge screen. Printing can continue without internet.

9. New PC or replacement

Serial and ID are generated automatically on each PC. Send the old and new details to the dealer. The dealer or distributor requests the transfer according to RB3L rules.

10. Support checklist

Prepare Serial, ID, NanoCareRIP version, Windows version, printer model, driver, modality model, Called AE Title, DICOM port, paper size and logs. Do not send patient data.
