Kodak Cameras

Generic Setup Catalog
Generic Setup Catalog for Kodak cameras to be connected via DICOM to an OEM modality

Generic Setup Catalog for Kodak cameras when to be connected via DICOM to a certain OEM modality

Note: wherever you see in bold eg Density=specific, please refer to the Specific Setup Manual for a given OEM modality, to find the correspondent value

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1 Setup valid also for Kodak PACS LINK 25 PRINT SERVER.

Author: gian.valesano@kodak.com, Edition: May ‘05
**Kodak DryView cameras matrixes**

for OEM Modalities working Page-Mode

Note: Page-Mode means that the OEM Modality sends to the printer a single pre-formatted 1-up image as big as the whole printer page ie as big as the max. printable matrix for that particular filmsize (ie the maximum nbr of printable laserspots ie columns x rows). An OEM Modality which works Page-Mode never uses the DICOM parameter Requested Image Size, in fact the OEM Modality through the knowledge of columns x rows x laserpot-size will exactly enlarge the object inside the pre-formatted page to result printed as True-Size.

Here below a recap of the correspondent parameters for each DryView camera and filmsize. Note that data here below are for Orientation=Portrait (for Orientation=Landscape just cross columns and rows), are without Annotation Box, are without Requested Image Size. Also note that the **data for 8900 are Full Matrix (shorted in FM), 2mmborder=Yes.**

<table>
<thead>
<tr>
<th>Filmsize</th>
<th>DryView Camera</th>
<th>DPI</th>
<th>Spot in micron</th>
<th>Nbr of spots/mm</th>
<th>Columns x Rows</th>
<th>Width x Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>14x17</td>
<td>8900 FM 2mm=Yes</td>
<td>650</td>
<td>39.077</td>
<td>25.591</td>
<td>8976 x 10928</td>
<td>350.75 x 427.03</td>
</tr>
<tr>
<td>14x17</td>
<td>8700</td>
<td>325</td>
<td>78</td>
<td>12.8205</td>
<td>4096 x 5220</td>
<td>319.49 x 407.16</td>
</tr>
<tr>
<td>14x17</td>
<td>8100</td>
<td>325</td>
<td>78</td>
<td>12.8205</td>
<td>4096 x 5216</td>
<td>319.49 x 406.85</td>
</tr>
<tr>
<td>14x17</td>
<td>8150</td>
<td>325</td>
<td>78.12</td>
<td>12.8008</td>
<td>4438 x 5390</td>
<td>346.8 x 421.1</td>
</tr>
<tr>
<td>14x17</td>
<td>8200</td>
<td>325</td>
<td>78</td>
<td>12.8205</td>
<td>4360 x 5220</td>
<td>340.08 x 407.16</td>
</tr>
<tr>
<td>14x14</td>
<td>8900 FM 2mm=Yes</td>
<td>650</td>
<td>39.077</td>
<td>25.591</td>
<td>8976 x 8976</td>
<td>350.75 x 350.75</td>
</tr>
<tr>
<td>14x14</td>
<td>8150</td>
<td>325</td>
<td>78.12</td>
<td>12.8008</td>
<td>4438 x 4414</td>
<td>346.8 x 344.9</td>
</tr>
<tr>
<td>14x14</td>
<td>8200</td>
<td>325</td>
<td>78</td>
<td>12.8205</td>
<td>4360 x 4244</td>
<td>340.08 x 331.03</td>
</tr>
<tr>
<td>11x14</td>
<td>8900 FM 2mm=Yes</td>
<td>650</td>
<td>39.077</td>
<td>25.591</td>
<td>7028 x 8976</td>
<td>274.63 x 350.75</td>
</tr>
<tr>
<td>11x14</td>
<td>8150</td>
<td>325</td>
<td>78.12</td>
<td>12.8008</td>
<td>3440 x 4438</td>
<td>268.7 x 346.8</td>
</tr>
<tr>
<td>11x14</td>
<td>8200</td>
<td>325</td>
<td>78</td>
<td>12.8205</td>
<td>3272 x 4360</td>
<td>255.22 x 340.08</td>
</tr>
<tr>
<td>11x14</td>
<td>8500</td>
<td>325</td>
<td>78</td>
<td>12.8205</td>
<td>3380 x 4280</td>
<td>263.64 x 333.84</td>
</tr>
<tr>
<td>10x12</td>
<td>8900 FM 2mm=Yes</td>
<td>650</td>
<td>39.077</td>
<td>25.591</td>
<td>6368 x 7656</td>
<td>248.84 x 299.17</td>
</tr>
<tr>
<td>8x10</td>
<td>8900 FM 2mm=Yes</td>
<td>650</td>
<td>39.077</td>
<td>25.591</td>
<td>5056 x 6368</td>
<td>197.57 x 248.84</td>
</tr>
<tr>
<td>8x10</td>
<td>8300 Portrait</td>
<td>300</td>
<td>85</td>
<td>11.81</td>
<td>2256 x 2676</td>
<td>191.76 x 227.46</td>
</tr>
<tr>
<td>8x10</td>
<td>8300 Landscape</td>
<td>300</td>
<td>85</td>
<td>11.81</td>
<td>2736 x 2136</td>
<td>232.56 x 181.56</td>
</tr>
<tr>
<td>8x10</td>
<td>8610 / 8600</td>
<td>655</td>
<td>38.75</td>
<td>25.8065</td>
<td>5024 x 6200</td>
<td>194.68 x 240.25</td>
</tr>
<tr>
<td>Letter</td>
<td>CMI1000</td>
<td>314</td>
<td>81</td>
<td>12.3457</td>
<td>2508 x 2954</td>
<td>203.2 x 239.3</td>
</tr>
<tr>
<td>A4</td>
<td>CMI1000</td>
<td>314</td>
<td>81</td>
<td>12.3457</td>
<td>2508 x 3134</td>
<td>203.2 x 253.9</td>
</tr>
</tbody>
</table>

Author: gian.valesano@kodak.com, Edition: May ’05
**Kodak DryView 8900 half-matrixes**

for OEM Modalities working Page-Mode

**Note:** OEM Modalities that work Page-Mode (eg Siemens syngo platform, Philips EasyVision or ViewForum platforms) usually send to 8900 a single pre-formatted 1-up image only half-matrix big ie as bis as the half of 8900-page for a particular filmsize (note that 8900 full-matrix is sent from the same OEM modalities to 8900 only for Mammo applications). Sending only half-matrix is done on purpose to minimize the amount of data sent from Modality to 8900.

In this case into 8900 Config./DICOM SCP/SCP Services, set **Smoothing=0** (**Always=Y**).

Here below a recap of the 8900 half-matrix correspondent parameters for each filmsize. Note that data here below are for Orientation=Portrait (for Orientation=Landscape just cross columns and rows), are without Annotation Box, are without Requested Image Size.

Also note that the **data for 8900 are Half Matrix (shorted in HM), 2mmborder=Yes.**

<table>
<thead>
<tr>
<th>Film size</th>
<th>DryView 8900</th>
<th>DPI</th>
<th>Spot in micron</th>
<th>Nbr of spots/mm</th>
<th>Columns x Rows</th>
<th>Width x Height</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14x17</strong></td>
<td>8900 HM 2mm=Yes</td>
<td>325</td>
<td>78.154</td>
<td>12.7955</td>
<td>4488 x 5464</td>
<td>350.75 x 427.03</td>
</tr>
<tr>
<td><strong>14x14</strong></td>
<td>8900 HM 2mm=Yes</td>
<td>325</td>
<td>78.154</td>
<td>12.7955</td>
<td>4488 x 4488</td>
<td>350.75 x 350.75</td>
</tr>
<tr>
<td><strong>11x14</strong></td>
<td>8900 HM 2mm=Yes</td>
<td>325</td>
<td>78.154</td>
<td>12.7955</td>
<td>3514 x 4488</td>
<td>274.63 x 350.75</td>
</tr>
<tr>
<td><strong>10x12</strong></td>
<td>8900 HM 2mm=Yes</td>
<td>325</td>
<td>78.154</td>
<td>12.7955</td>
<td>3184 x 3828</td>
<td>248.84 x 299.17</td>
</tr>
<tr>
<td><strong>8x10</strong></td>
<td>8900 HM 2mm=Yes</td>
<td>325</td>
<td>78.154</td>
<td>12.7955</td>
<td>2528 x 3184</td>
<td>197.57 x 248.84</td>
</tr>
</tbody>
</table>
**Kodak Wet cameras matrixes**

**for OEM Modalities working Page-Mode**

Note: **Page-Mode means** that the OEM Modality sends to the printer a single pre-formatted 1-up image as big as the whole printer page ie as big as the max. printable matrix for that particular filmsize (ie the maximum nbr of printable laserspots ie columns x rows). An OEM Modality which works Page-Mode never uses the DICOM parameter Requested Image Size, in fact the OEM Modality through the knowledge of columns x rows x laserpot-size will exactly enlarge the object inside the pre-formatted page to result printed as True-Size.

Here below a recap of the correspondent parameters for each Wet camera and filmsize. Note that data here below are for Orientation=Portrait (for Orientation=Landscape just cross columns and rows), are without Annotation Box, are without Requested Image Size.

<table>
<thead>
<tr>
<th>Filmsize</th>
<th>Wet camera</th>
<th>DPI</th>
<th>Spot in micron</th>
<th>Nbr of spots/mm</th>
<th>Columns x Rows</th>
<th>Width x Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>14x17</td>
<td>KELP 160</td>
<td>325</td>
<td>78</td>
<td>12.8</td>
<td>4360 x 5348</td>
<td>340.08 x 417.14</td>
</tr>
<tr>
<td>14x17</td>
<td>KELP 2180</td>
<td>321.5</td>
<td>79</td>
<td>12.6582</td>
<td>4096 x 5156</td>
<td>323.58 x 407.32</td>
</tr>
<tr>
<td>14x17</td>
<td>KELP 1120</td>
<td>317.5</td>
<td>80</td>
<td>12.5</td>
<td>4096 x 5132</td>
<td>327.68 x 410.56</td>
</tr>
<tr>
<td>14x17</td>
<td>MLP 190</td>
<td>317.5</td>
<td>80</td>
<td>12.5</td>
<td>4096 x 5120</td>
<td>327.68 x 409.60</td>
</tr>
<tr>
<td>14x17</td>
<td>HQ 969</td>
<td>311.5</td>
<td>82</td>
<td>12.3457</td>
<td>4096 x 4992</td>
<td>335.87 x 409.34</td>
</tr>
<tr>
<td>14x14</td>
<td>KELP 2180</td>
<td>321.5</td>
<td>79</td>
<td>12.6582</td>
<td>4096 x 4132</td>
<td>323.58 x 326.43</td>
</tr>
<tr>
<td>14x14</td>
<td>KELP 1120</td>
<td>317.5</td>
<td>80</td>
<td>12.5</td>
<td>4096 x 4108</td>
<td>327.68 x 328.64</td>
</tr>
<tr>
<td>11x14</td>
<td>KELP 2180</td>
<td>321.5</td>
<td>79</td>
<td>12.6582</td>
<td>3236 x 4132</td>
<td>255.64 x 326.43</td>
</tr>
<tr>
<td>11x14</td>
<td>KELP 1120</td>
<td>317.5</td>
<td>80</td>
<td>12.5</td>
<td>4096 x 3232</td>
<td>327.68 x 258.56</td>
</tr>
<tr>
<td>11x14</td>
<td>HQ 969</td>
<td>311.5</td>
<td>82</td>
<td>12.3457</td>
<td>3020 x 3960</td>
<td>247.64 x 324.72</td>
</tr>
<tr>
<td>8x10</td>
<td>KELP 2180</td>
<td>321.5</td>
<td>79</td>
<td>12.6582</td>
<td>2286 x 2836</td>
<td>180.59 x 224.04</td>
</tr>
<tr>
<td>8x10</td>
<td>KELP 1120</td>
<td>317.5</td>
<td>80</td>
<td>12.5</td>
<td>2304 x 2900</td>
<td>184.32 x 232.00</td>
</tr>
<tr>
<td>8x10</td>
<td>HQ 969</td>
<td>311.5</td>
<td>82</td>
<td>12.3457</td>
<td>2076 x 2788</td>
<td>170.23 x 228.62</td>
</tr>
</tbody>
</table>
Generic Setup Catalog for Kodak cameras to be connected via DICOM to an OEM modality

*Kodak DryView 8300 LASER IMAGER*

**Requirements:** 8300 v4.9.1, 8300 DICOM board v3.3, 8300 LUT v3.0.3B
**Note:** 8300 AE Title=8300, 8300 port=104

**8300 Setup:**
- on 8300 Operator Menu into Configure User set:
  - Density=specific, Contrast=specific, Sharp/Smooth=specific
- on 8300 Service Menu into Configure User set:
  - Modality Group=specific
Kodak Digital Science™ 190 MEDICAL LASER PRINTER

DICOM Network

Generic OEM DICOM modality

Kodak 190 camera

Requirements: 190 rel. 1.7.29

190 Setup:
- On 190 Control Panel press Menu, Setup:
- Printer Density=specific, Curve Shape=specific, Contrast=specific,
- Contrast Pivot Density=1.2, IPAddress=accordingly,
- Subnet Mask=accordingly, Gateway Address=accordingly
- Port=5040, Network Node Name=Kodak MLP190, Connection Type=RJ45
Generic Setup Catalog for Kodak cameras to be connected via DICOM to an OEM modality

**Kodak PACS LINK 9410 ACQUISITION SYSTEM / Kodak DryView 8700 LASER IMAGER / Plus**
*(also valid for 8800/8700 Dual, 8500 Plus, 8800/8500 Dual, HQ)*

**DICOM Network**

**Requirements:** 9410 v1.6, 8700 v1.34

**9410 Setup:**
- on Device Setup, LOCAL PRINTERS:
  - Printer=8700, Model=8700, Output=Fiber
  - Command Set=Superset, Baud=19200, Data=8, Stop=1, Parity=None
  - Pixel=12, Header/Line, Timeout=60, Transfer Rate=2 MHz
  - Film Mismatch=Print Always, Interpolation Type=831
  - Interp Num=2, Max.Density=300, Contrast=6, Border Density=0
  - TFT/ULUT Emulation=On, Installed TFT/ULUT=Ver693c0.w87
- on Device Setup, SCP PRINTERS, Current Providers:
  - Printer=8700, AE Title= 9410, Port= 1024, Max Associations= 5
- on Device Setup, SCP PRINTERS, Registered Users:
  - SCU AETitle= accordingly, SCU IPAddr=accordingly
  - SCP=8700, Copies=1, Border Density=0, Mag.Type=8
  - TFT/ULUT=specific, Contrast Table=specific
  - Max.Density= specific, Smoothing= specific
  - Polarity=1, Orientation=1, Set Req.Image Size=No, Priority=Low
  - Interceptor=Yes, N-Event-Print Job=No, N-Event Printer=No
  - Trim=No, Attribute Warning=No
  - Contrast Test Mode=No, Contrast Test Mode Density=0

**8700 Plus Setup:**
- on COMM Menu: 969 Default
- on IMAGE Menu: TFT=VER693C0, Dmax=3.00, Contrast=6, Density=14
- on EIB Menu: Pixel=12, Header/Line, Port=0, Parity=Enable Even, Timeout=60

Author: gian.valesano@kodak.com, Edition: May ’05
Generic Setup Catalog for Kodak cameras to be connected via DICOM to an OEM modality

**Kodak PACS LINK 9410 ACQUISITION SYSTEM /
Kodak DryView 8100 LASER IMAGER**

DICOM Network

---

**Requirements:** 9410 v1.6, 8100 v2.4.1

**9410 Setup:**

- **on Device Setup, LOCAL PRINTERS:**
  - Printer=8100, Model=8100 4096 pxls/line, Output=Copper
  - Baud=1200, Parity=Even, Data=8, Stop=1, Command Set=952
  - Pixel=12, Header/Line, Timeout=60, Transfer Rate=1 MHz
  - Film Mismatch=Print Always, Interpolation Type=831
  - Interp Num=2, Max.Density=300, Contrast=6, Border Density=0
  - TFT/ULUT Emulation=On, Installed TFT/ULUT=Ver693c0.w87

- **on Device Setup, SCP PRINTERS, Current Providers:**
  - Printer=8100, AE Title= 9410, Port= 1024, Max Associations= 5

- **on Device Setup, SCP PRINTERS, Registered Users:**
  - SCU AETitle= accordingly, SCU IPAddr=accordingly
  - SCP=8100, Copies=1, Border Density=0, Mag.Type=8
  - TFT/ULUT=specific, Contrast Table=specific
  - Max.Density= specific, Smoothing= specific
  - Polarity=1, Orientation=1, Set Req.Image Size=No, Priority=Low
  - Interceptor=Yes, N-Event-Print Job=No, N-Event Printer=No
  - Trim=No, Attribute Warning=No
  - Contrast Test Mode=No, Contrast Test Mode Density=0

**8100 Setup on CONFIGURATION Menu:**

- on SIB board (ie external switch below Control plugs): SW1=Down
- on COMMUNICATIONS Menu:
  - Parity=Even, Stop=1, Data=8, 1200 baud, EOM=CR, Protocol=831/952
  - Mem.Full=BSY, Alarm=Old, Acquire Timeout=90, P1,…,P6=0
- on IMAGE QLTY-> Mag Scaling=Off, Pixel Correct=Off, 952 Override=Off
- on IMAGE QUALITY-> TFT FILES Menu: TFT=Ver693c0.w87
- on LOCAL PANEL Menu: Contrast=6, Density=3.00
- on SYSTEM Menu: Acquire=Digital, Max.Img.Columns=4361
- on DIGITAL Menu: Pixel Depth=12, Header/Line, Parity=Even

Author: gian.valesano@kodak.com, Edition: May ´05
**Kodak PACS LINK 9410 ACQUISITION SYSTEM / Kodak DryView 8300 LASER IMAGER**

DICOM Network

---

Requirements: 9410 v1.6, 8300 v4.9.1, 8300 LUT v3.0.3B

9410 Setup:

- **on Device Setup, LOCAL PRINTERS:**
  - Printer=8300, Model=8300 Copper, Output=Copper
  - Command Set=952, Baud=1200, Data=8, Stop=1, Parity=Even
  - Pixel=8, Header/Line, Timeout=60, Transfer Rate=1 MHz
  - Film Mismatch=Print Always, Interpolation Type=831
  - Interp Num=0, Max.Density=300, Contrast=6, Border Density=0
  - TFT/ULUT Emulation=On, Installed TFT/ULUT=upmsv3k.w8u

- **on Device Setup, SCP PRINTERS, Current Providers:**
  - Printer=8300, AE Title= 9410, Port= 1024, Max Associations= 5

- **on Device Setup, SCP PRINTERS, Registered Users:**
  - SCU AETitle= accordingly, SCU IPAddr=accordingly
  - SCP=8300, Copies=1, Border Density=0, Mag.Type=8
  - TFT/ULUT=specific, Contrast Table=specific
  - Max.Density= specific, Smoothing= specific
  - Polarity=1, Orientation=1, Set Req.Image Size=No, Priority=Low
  - Interceptor=Yes, N-Event-Print Job=No, N-Event Printer=No
  - Trim=No, Attribute Warning=No
  - Contrast Test Mode=No, Contrast Test Mode Density=0

8300 Setup:

- **on Operator Menu set:** D=16, C=6, Sharp/Smooth=0 ie Auto

- **on Operator Menu set:** Film Layout: 1 on 1=Portrait

- **on Service Menu set:** Ratio=1.00, Serial=1200,8,1,Even,Comma,3M, Memory=16

- **on Service Menu set:** Digital Interface: Parity=Even, Modality Group=1

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Author: gian.valesano@kodak.com, Edition: May ’05
**Kodak PACS LINK 9410 ACQUISITION SYSTEM / Kodak DryView 8610 LASER IMAGING SYSTEM / for Mammography**
(Also valid for 8600)

**Requirements:** 9410 v1.6, 8610 v2.4 (if 8600 v2.5)

**9410 Setup:**
- **on Device Setup, LOCAL PRINTERS:**
  - Printer=8610, Model=8600/8610, Output=Copper
  - Command Set=952, Baud=1200, Data=8, Stop=1, Parity=Even
  - Pixel=12 (8 if 8600), Header/Line, Timeout=60, Transfer Rate=2 MHz
  - Film Mismatch=Print Always, Interpolation Type=831
  - Interp Num=1, Max.Density=350, Contrast=3, Border Density=0
  - TFT/ULUT Emulation=Off, Installed TFT/ULUT=don’t care

- **on Device Setup, SCP PRINTERS, Current Providers:**
  - Printer=8610, AE Title= 9410, Port= 1024, Max Associations= 5

- **on Device Setup, SCP PRINTERS, Registered Users:**
  - SCU AETitle= accordingly, SCU IPAddr=accordingly
  - SCP=8610, Copies=1, Border Density=0, Mag.Type=8
  - **Contrast Table=specific, Max.Density=specific, Smoothing=specific**
  - **Gamma=specific, Contrast Group=specific, Kernel Group=specific**
  - Polarity=1, Orientation=1, Set Req.Image Size=No, Priority=Low
  - Interceptor=Yes, N-Event-Print Job=No, N-Event Printer=No
  - Trim=No, Attribute Warning=No
  - **Contrast Test Mode=No, Contrast Test Mode Density=0**

**8610 Setup:** on 8610 Operator Menu into Test Menu, Software Version, verify:
- **Imager=2.4, Contrast=6.P.2, Conv.Kernel=M.1.0**

- **on 8610 Operator Menu into Configure User set:**
  - Density=16, Contrast=6, Sharp/Smooth=1, Film Layout: 1:1P
  - Gamma=Xmittance, Image Size=Scale To Fit, Detector Size=don’t care

- **on 8610 Service Menu into Configure User set:**
  - Ratio=1.00, Serial Control Intf.=1200,8,1,Even,Comma,3M, Memory=127
  - Digital Interface: Parity=Even, Modality Group=1, Smoothing Group=1
**Kodak PACS LINK MEDICAL IMAGE MANAGER 200 / Kodak Ektascan 160 LASER IMAGER**

**DICOM Network**

**Requirements:** MIM200 v6.1, KELI 160 v7.2

**MIM200 Setup:**

- **on Configure, Network:**
  - Node Name=MIM, IP=accordingly, Subnet=accordingly, Gateway=accordingly

- **on Configure, Input, Network, Add:**
  - Protocol=Dicom, Log=DICOM, Port=5040, Type/Com=Kpad/COM9

- **on Configure, Destination, Add, Print, Direct, Qualified, KELI 160, Set:**
  - General: Log.Name=KELI 160, IPAddr=100.100.100.30,
  - General: Database Name=KELI 160, Model=KELI 160
  - Media Info: accept all defaults by pressing Next
  - Supported Item: accept all defaults by pressing Next
  - Interpolation: accept all defaults by pressing Next
  - Format Types: accept all defaults by pressing Next
  - Formatting: accept all defaults by pressing Next
  - Image Processing: accept all defaults by pressing Next
  - M952 Usage: accept all defaults by pressing Finish

- **on Configure, SCP Services, select the specific modality, Modify:**
  - ToneScaling=Curve Shape (Always=Y), Image Dmin=0.00 (Always=N),
  - **Curve Shape=specific (Always=specific),**
  - **Contrast (wet)=specific (Always=specific)**
  - **Image Dmax=specific (Always=specific),**
  - **PLUT=specific**
  - Interpolation=Cubic
  - NeventReports=Off (Always=N), Warning Status=On
  - Minify/Scale=On, Crop=Off, Text Box Relocation=None (Always=N)
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=Normal (Always=N), Image Polarity=Normal (Always=N)
  - Border=3.99 (Always=N), Negotiate Color Print=Off
  - Film Base=Blue Film (Always=N), Film Size=14INx17IN (Always=N)

**160 Setup:** no modality-specific setup needed
Kodak PACS LINK MEDICAL IMAGE MANAGER 200 / Kodak Ektascan 2180 LASER PRINTER

DICOM Network

Requirements: MIM200 v6.1, 2180 rel. 2.17H

MIM200 Setup:
- on Configure, Network:
  - Node Name=MIM, IP=accordingly, Subnet=accordingly, Gateway=accordingly
- on Configure, Input, Network, Add:
  - Protocol=DICOM, Log.=DICOM, Port=5040, Type/Com=Kpad/COM9
- on Configure, Destination, Add, Print, Direct, Qualified, KELP 2180, Set:
  - General: Log.Name=KELP2180, Database Name=KELP 2180
  - General: Model=KELP 2180, Memory=24, Node ID=6 or accordingly
  - Media Info: accept all defaults by pressing Next
  - Supported Item: accept all defaults by pressing Next
  - Interpolation: accept all defaults by pressing Next
  - Format Types: accept all defaults by pressing Next
  - Formatting: accept all defaults by pressing Next
  - Image Processing: accept all defaults by pressing Next
  - M952 Usage: accept all defaults by pressing Finish
- on Configure, SCP Services, select the specific modality, Modify:
  - ToneScaling=Curve Shape (Always=Y), Image Dmin=0.00 (Always=N),
  - Curve Shape=specific (Always=specific),
  - Contrast (wet)=specific (Always=specific)
  - Image Dmax=specific (Always=specific),
  - PLUT=specific
  - Interpolation=Cubic, Negotiate Color Print=Off
  - NeventReports=Off (Always=N), Warning Status=On
  - Minify/Scale=On, Crop=Off, Text Box Relocation=None (Always=N)
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=Normal (Always=N), Image Polarity=Normal (Always=N)
  - Border=3.99 (Always=N), Film Base=Blue Film (Always=N)
  - Film Size=14INx17IN (Always=N), Film Output Dest=Bin 9 (Always=N)

2180 Setup: Optical Interface board will automatic configure into 2180, no setup needed
Generic Setup Catalog for Kodak cameras to be connected via DICOM to an OEM modality

**Kodak PACS LINK MEDICAL IMAGE MANAGER 200** /
**Kodak Ektascan 1120 LASER PRINTER**

**DICOM Network**

**Requirements:** MIM200 v6.1, 1120 rel. 2.40/032

**MIM200 Setup:**
- on Configure, Network:
  - Node Name=MIM, IP=accordingly, Subnet=accordingly, Gateway=accordingly
- on Configure, Input, Network, Add:
  - Protocol=DICOM, Log.=DICOM, Port=5040, Type/Com=Kpad/COM9
- on Configure, Destination, Add, Print, Direct, Qualified, KELP 1120, Set:
  - General: Log.Name=KELP1120, Database Name=KELP 1120
  - General: Model=KELP 1120, Memory=20, Node ID=6 or accordingly
  - Media Info: accept all defaults by pressing Next
  - Supported Item: accept all defaults by pressing Next
  - Interpolation: accept all defaults by pressing Next
  - Format Types: accept all defaults by pressing Next
  - Formatting: accept all defaults by pressing Next
  - Image Processing: accept all defaults by pressing Next
  - M952 Usage: accept all defaults by pressing Finish
- on Configure, SCP Services, select the specific modality, Modify:
  - ToneScaling=Curve Shape (Always=Y), Image Dmin=0.00 (Always=N),
  - Curve Shape=specific (Always=specific),
  - Contrast (wet)=specific (Always=specific)
  - Image Dmax=specific (Always=specific),
  - PLUT=specific
  - Interpolation=Cubic
  - NeventReports=Off (Always=N), Warning Status=On
  - Minify/Scale=On, Crop=Off, Text Box Relocation=None (Always=N)
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=Normal (Always=N), Image Polarity=Normal (Always=N)
  - Border=3.99 (Always=N), Negotiate Color Print=Off
  - Film Base=Blue Film (Always=N), Film Size=14INx17IN (Always=N)

**1120 Setup:** Optical Interface board will automatic configure into 1120, no setup needed
**Kodak PACS LINK MEDICAL IMAGE MANAGER 200 / Kodak DryView 8200 LASER IMAGER**

**DICOM Network**

![Diagram](image_url)

**Requirements:** MIM200 v6.1, 8200 v3.5

**MIM200 Setup:**
- on Configure, Network:
  - Node Name=MIM, IP=accordingly, Subnet=accordingly, Gateway=accordingly
- on Configure, Input, Network, Add:
  - Protocol=DICOM, Log.=DICOM, Port=5040, Type/Com=Kpad/COM9
- on Configure, Destination, Add, Print, Direct, Qualified, 8200, Set:
  - General: Log.Name=8200, IPAddr=100.100.100.40,
  - General: Database Name=8200, Model=8200, Memory=32
  - Media Info, Supported Item, Interpolation: accept all defaults by pressing Next
  - Format Types, Formatting, Image Processing, SCU: accept defaults pressing Next
  - M952 Usage: accept all defaults by pressing Finish
- on Configure, SCP Services, select the specific modality, Modify:
  - ToneScaling=PerceptionLUT (Always=Y), Image Dmin=0.00 (Always=N)
  - TFT/ULUT =specific (Always=specific),
  - Contrast (dry)=specific (Always=specific)
  - Image Dmax=specific (Always=specific),
  - Smoothing Type=specific (Always=specific), PLUT=specific
  - NeventReports=Off (Always=N), Warning Status=On
  - Minify/Scale=On, Crop=Off, Text Box Relocation=None (Always=N)
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=Normal (Always=N), Image Polarity=Normal (Always=N)
  - Border=3.99 (Always=N), Negotiate Color Print=Off
  - Film Base=Blue Film (Always=N), Film Size=14INx17IN (Always=N)

**8200 Setup on CONFIGURATION Menu:**
- on IMAGE QUALITY-> TFT FILES Menu: TFT=Ver693c0.w87
- on LOCAL PANEL Menu: Contrast=6, Density=3.00
- on DICOM Menu: SCU Config.: AE=MIM, TFT=VER693C0, C=6, Smooth=0
- on DICOM Menu: DICOM Config.: AE=NER_ANY, Port=1025
**Kodak PACS LINK MEDICAL IMAGE MANAGER 200 /**

**Kodak DryView 8700 LASER IMAGER / Plus**

(also valid for 8800/8700 Dual, 8500 Plus, 8800/8500 Dual, HQ)

**DICOM Network**

**Generic OEM DICOM modality**

**Kodak MIM 200**

**Fiber Cable**

**Kodak DryView 8700 Plus**

**Fiber Cable**

**Requirements:** MIM200 v6.1, 8700 v1.34

**MIM200 Setup:**

- on Config, Network: Node=MIM, IP=according, Subnet=according, Gateway=according
- on Configure, Input, Network, Add:
  - Protocol=DICOM, Log.=DICOM, Port=5040, Type/Com=Kpad/COM9
- on Configure, Destination, Add, Print, Direct, Qualified, 8700, Set:
  - General: Log.Name=8700
  - General: Database Name=8700, Model=8700, Memory=32
  - Output Params: Cmd=SuperSet, Baud=19200, Data=8, Stop=1, Parity=None
  - Output Params: Pixel=12, Header/Line, Transfer=2000 KHz, Acq=60
  - Media Info, Supported Item, Interpolation: accept all defaults by pressing Next
  - Format Types, Formatting, Image Processing: accept all defaults by pressing Next
  - M952 Usage: accept all defaults by pressing Finish
- on Configure, SCP Services, select the specific modality, Modify:
  - ToneScaling=PerceptionLUT (Always=Y), Image Dmin=0.00 (Always=N)
  - TFT/ULUT =specific (Always=specific),
  - Contrast (dry)=specific (Always=specific)
  - Image Dmax=specific (Always=specific), Smoothing Type=specific (Always=specific), PLUT=specific
  - NeventReports=Off (Always=N), Warning Status=On
  - Minify/Scale=On, Crop=Off, Text Box Relocation=None (Always=N)
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=Normal (Always=N), Image Polarity=Normal (Always=N)
  - Border=3.99 (Always=N), Negotiate Color Print=Off
  - Film Base=Blue Film (Always=N), Film Size=14INx17IN (Always=N)

**8700 Plus Setup:**

- on COMM Menu: 969 Default
- on IMAGE Menu: TFT=VER693C0, Dmax=3.00, Contrast=6, Density=14
- on EIB Menu: Pixel=12, Header/Line, Port=0, Parity=Disable Even, Timeout=60
Generic Setup Catalog for Kodak cameras to be connected via DICOM to an OEM modality

Kodak PACS LINK MEDICAL IMAGE MANAGER 200 / Kodak DryView 8100 LASER IMAGER

DICOM Network

Requirements: MIM200 v6.1, 8100 v2.4.1
MIM200 Setup: on Config, Network: Node=MIM, IP, Subnet, Gateway=accordingly
- on Configure, Input, Network, Add:
  - Protocol=DICOM, Log.=DICOM, Port=5040, Type/Com=Kpad/COM9
- on Configure, Destination, Add, Print, Direct, Qualified, 8100, Set:
  - General: Log.Name=8100, Database Name=8100, Model=8100, Memory=32
  - Output Params: Cmd Set=952, Baud=1200, Data=8, Stop=1, Parity=Even
  - Output Params: Pixel=12, Header/Line, Transfer=1000 KHz, Acquire=60
  - Media Info, Supported Item, Interpolation: accept all defaults by pressing Next
  - Format Types, Formatting, Image Processing, M952: accept defaults pressing Next
- on Configure, SCP Services, select the specific modality, Modify:
  - ToneScaling=PerceptionLUT (Always=Y), Image Dmin=0.00 (Always=N)
  - TFT/ULUT =specific (Always=specific), Contrast=specific (Always=specific),
  - Image Dmax=specific (Always=specific),
  - Smoothing Type=specific (Always=specific), PLUT=specific
  - NeventReports=Off (Always=N), Warning Status=On
  - Minify/Scale=On, Crop=Off, Text Box Relocation=None (Always=N)
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=Normal (Always=N), Image Polarity=Normal (Always=N)
  - Border=3.99 (Always=N), Negotiate Color Print=Off
  - Film Base=Blue Film (Always=N), Film Size=14INx17IN (Always=N)

8100 Setup on CONFIGURATION Menu:
- on SIB board (ie external switch below Control plugs): SW1=Down
- on COMMUNICATIONS Menu:
  - Parity=Even, Stop=1, Data=8, 1200 baud, EOM=CR, Protocol=831/952
  - Mem.Full=BSY, Alarm=Old, Acquire Timeout=90, P1,…,P6=0
- on IMAGE QLTY-> Pixel Correct=Off, 952 Override=Off, TFT=Ver693c0.w87
- on LOCAL PANEL Menu: Contrast=6, Density=3.00
- on SYSTEM Menu: Acquire=Digital, Max. Img. Columns=4361
- on DIGITAL Menu: Pixel Depth=12, Header/Line, Parity=Even

Author: gian.valesano@kodak.com, Edition: May ’05
**Requirements:**  MIM200 v6.1, 8300 v4.9.1, 8300 LUT v3.0.3B

**MIM200 Setup:**
- on Config, Network: Node=MIM, IP=according, Subnet=according, Gateway=according
- on Configure, Input, Network, Add:
  - Protocol=DICOM, Log.=DICOM, Port=5040, Type/Com=Kpad/COM9
- on Configure, Destination, Add, Print, Direct, Qualified, 8300, Set:
  - General: Log.Name=8300, Database Name=8300, Model=8300, Memory=32
  - Output Params: Cmd Set=952, Baud=1200, Data=8, Stop=1, Parity=Even
  - Output Params: Pixel=8, Header/Line, Transfer=2000 KHz, Acquire=60
  - Media Info, Supported Item, Interpolation: accept all defaults by pressing Next
  - Format Types, Formatting, Image Processing: accept all defaults by pressing Next
  - M952 Usage: accept all defaults by pressing Finish
- on Configure, SCP Services, select the specific modality, Modify:
  - ToneScaling=PerceptionLUT (Always=Y), Image Dmin=0.00 (Always=N)
  - TFT/ULUT =specific (Always=specific),
  - Contrast (dry)=specific (Always=specific)
  - Image Dmax=specific (Always=specific),
  - Smoothing Type=specific (Always=specific), PLUT=specific
  - NeventReports=Off (Always=N), Warning Status=On
  - Minify/Scale=On, Crop=Off, Text Box Relocation=None (Always=N)
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=Normal (Always=N), Image Polarity=Normal (Always=N)
  - Border=3.99 (Always=N), Negotiate Color Print=Off
  - Film Base=Blue Film (Always=N), Film Size=8INx10IN (Always=N)

**8300 Setup:**
- on Operator Menu set: D=16, C=6, Sharp/Smooth=0 ie Auto
- on Operator Menu set: Film Layout: 1 on 1=Portrait
- on Service Menu set: Ratio=1.00, Serial=1200,8,1,Even,Comma,3M, Memory=16
- on Service Menu set: Digital Interface: Parity=Even, Modality Group=1
**Kodak PACS LINK MEDICAL IMAGE MANAGER 200 / Kodak DryView 8610 LASER IMAGER / for Mammo(also valid for 8600)**

**DICOM Network**

**Requirements:** MIM200 v6.1, 8610 v2.4 (if 8600 v2.5)

**MIM200 Setup:**
- on Config, Network: Node=MIM, IP, Subnet, Gateway=accordingly
- on Configure, Input, Network, Add:
  - Protocol=DICOM, Log.=DICOM, Port=5040, Type/Com=Kpad/COM9
- on Configure, Destination, Add, Print, Direct, Qualified, 8610 (or 8600), Set:
  - General: Log.Name=Database=Model=8610 (or 8600), Memory=32
  - Output Params: Cmd Set=952, Baud=1200, Data=8, Stop=1, Parity=Even
  - Output Params: Pixel=12 (8 if 8600), Header/Line, Transfer=2000, Acq=60
  - Media Info, Supported Item, Interpolation: accept all defaults by pressing Next
  - Format Types, Formatting, Image Processing, M952: accept defaults pressing Next
- on Configure, SCP Services, select the specific modality, Modify:
  - ToneScaling=PerceptionLUT (Always=Y), Image Dmin=0.00 (Always=N)
  - Modality Group=specific (which corresponds to TFT/ULUT=specific)
  - Contrast=specific (Always=specific), Image Dmax=specific (Always=specific)
  - Smoothing Type=specific (Always=specific), PLUT=specific
  - Convolution Group=specific, Gamma Table=specific
  - MeventReports=Off (Always=N), Warning Status=On
  - Minify/Scale=On, Crop=Off, Text Box Relocation=None (Always=N)
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=On, Normal (Always=N), Image Polarity=Normal (Always=N)
  - Border=3.99 (Alw=N), Color=Off, Base=Blue Film (Alw=N), Size=8x10 (Alw=N)

**8610 Setup:**
- on 8610 Operator Menu into Test Menu, Software Version, verify:
  - Imager=2.4, Contrast=6.P.2, Conv.Kernel=M.1.0
  - (if 8600: Imager=2.5, Contrast=6.G.7, Conv.Kernel=1.0.5)
- on 8610 Operator Menu into Configure User set:
  - Density=16, Contrast=6, Sharp/Smooth=1, Film Layout: 1:1P
  - Gamma=Xmittance, Image Size=Scale To Fit, Detector Size=don’t care
- on 8610 Service Menu into Configure User set:
  - Ratio=1.00, Serial Control Intf.=1200,8,1,Even,Comma,3M, Memory=127
  - Digital Interface: Parity=Even, Modality Group=1, Smoothing Group=1

Author: gian.valesano@kodak.com, Edition: May ’05
Generic Setup Catalog for Kodak cameras to be connected via DICOM to an OEM modality

**Kodak DryView 8900 LASER IMAGER**

**DICOM Network**

**Generic OEM DICOM modality**

**Kodak DryView 8900**

**Requirements:** 8900 rev.E ie v2.11 (ie DRE v2.11, MIM v5.6.b5, MCS v2.10)

**8900 Setup:**
- on Configuration, System, Network:
  - Host Name=DV8900, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- on Configuration, System, Software License:
  - License Status=Mammo Key is OFF (ON if 8900Mammo)
- on Configuration, DICOM SCP, Communications:
  - Port=5040, Association Limit=12, Source Name=DICOM
- on Configuration, Destination:
  - General: Log.Name=8900
  - Media Info: accept all defaults
  - Formatting: accept all defaults
- on Configuration, DICOM SCP, SCP Services, select specific modality, Modify:
  - Negotiate Color Print=No,
  - TFT=specific (Always=specific),
  - Contrast=specific (Always=specific)
  - Image Dmax=specific (Always=specific),
  - Smoothing Type=specific (Always=specific),
  - Negotiate Presentation LUT=specific,
  - Image Dmin=0.00 (Always=N), Image Polarity (Always=N)
  - NeventReports=No (Always=N), Print Priority=Normal (Always=N), Border=3.99 (Always=N)
  - 2mm Border=Yes, Film Clip Border=No
  - Film Base=Blue Film (Mammo Blue Film if 8900Mammo) (Always=Y)
  - Film Size=14INx17IN (Always=N), Sorter Bin=Bin1 (Always=Y)
  - Print Date=No, Print Time=No, Page Nbr=No, Hosp.Name=No
  - Modality ID=No, Annotation Override=No, Density Patch=No
  - Image Resizing=Minify/Scale (Always=N)
  - Text Box Location=None, Source ID=oem
Generic Setup Catalog for Kodak cameras to be connected via DICOM to an OEM modality

Kodak DryView 8150 LASER IMAGER

DICOM Network

Generic OEM
DICOM modality

Kodak DryView 8150

Requirements: 8150 v1.0.2.b04 (DRE=DV8150_DRE_1.0.2.b04, MIM=MIM_5.7.b8)

8150 Setup:
- on Configuration, System, Network:
  - Host Name=DV8150, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- on Configuration, DICOM SCP, Communications:
  - Port=5040, Association Limit=12, Source Name=DICOM
- on Configuration, Destination:
  - General: Log.Name=DV8150
  - Media Info: accept all defaults
  - Formatting: accept all defaults
- on Configuration, DICOM SCP, SCP Services, select specific modality, Modify:
  - Negotiate Color Print=No,
  - TFT=specific (Always=specific),
  - Contrast=specific (Always=specific)
  - Image Dmax=specific (Always=specific),
  - Smoothing Type=specific (Always=specific),
  - Negotiate Presentation LUT=specific,
  - Image Dmin=0.00 (Always=N), Image Polarity (Always=N)
  - NeventReports=No (Always=N), Warnings=No
  - Print Priority=Normal (Always=N), Border=3.99 (Always=N)
  - 2mm Border=No, Film Clip Border=No
  - Film Base=Blue Film (Always=N), Film Size=14INx17IN (Always=N)
  - Print Date=No, Print Time=No, Page Nbr=No, Hosp.Name=No
  - Modality ID=No, Annotation Override=No, Density Patch=No
  - Image Resizing=Minify/Scale (Always=N)
  - Text Box Location=None, Source ID=oem
Generic Setup Catalog for Kodak cameras to be connected via DICOM to an OEM modality

**Kodak Color Medical Imager 1000**

**DICOM Network**

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**Generic OEM DICOM modality**

**Kodak CMI 1000**

**Requirements:** CMI-1000 v1.0.b8 (DRE=v1.0.b8, MIMCore=v2.0.b3)

**CMI-1000 Setup:**

at Local Panel, under Media, set A4 or Letter ie what inside Paper Tray  
(CMI-1000 sw considers only this field and uses it as A4 or Letter (Always=Y):  

at Local Panel, under Menu, Imager Setup:

- **Network Setup:**
  - IPAddr=accordingly, Subnet Mask=accordingly, Gateway=accordingly
  - under More Settings: DICOM Port=5040

- **Edit Host Name/AE Title=CMI1000**

- **Modality (SCU) Config (or after modality recognition):**
  - Select Modality=accordingly, Modality Config.Assistant=Yes, Reset Config=No

- **Note:** Color IQ settings used when images sent with Color DICOM SOP

- **under Image Quality, Color Image Quality:** *(no need to adjust, leave defaults)*
  - Match Monitor Colors=default ie sRGB Color Space Profile.icm
  - Adjust Color Tones=default ie Default_Contrast_100.icm

- **Note:** Grayscale IQ settings used when images sent with Grayscale DICOM SOP:

- **under Image Quality, Grayscale Image Quality:**
  - **Contrast=specific (Always=specific)**
  - **TFT Set (From list)=specific (Always=specific)**
  - Wet Contrast=0 (Always=N), Curve Shape=429 (Always=N)
  - under More Quality Settings: **Image Dmax=specific (Always=specific)**
  - **Smoothing=specific (Always=specific), Negotiate PLUT=specific**
  - Tonescaling=Presentation LUT (Always=N), Image Dmin=10 (Always=N)
  - Polarity=Positive (Always=N), Interpolation=CUBIC (Always=N)
  - Trim=No (Always=N), Page Orientation=PORTRAIT (Always=N)

- **under Modality Defaults:**
  - Media Size=8.5x11 (Always=N), **don’t care, this field plays no role**
  - Image Resizing=Minify (Always=N),
  - Priority=Normal (Always=N), NeventReports=No (Always=Y),
  - Warnings=Yes, Color=Yes
  - (set Color=No when only b/w images are printed and set it to be sure
to apply to the b/w images the Greyscale Image Quality settings)
  - PageAnnot.:Hosp.Name=No,ModID=No,Pg.Nbr=No,Date=No,Time=No

- **Save Changes and Exit**

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