ziehm imaging
... dedicated to clinical innovation

Quantum Quick Reference Guide

Fluoroscopy

1. Switch on the system using the green button.
   Wait approx. 1 minute for startup.



2. Enter patient data and save.



3. Select the desired Anatomic fluoroscopy program



4. Initiate exposure using the handswitch or 2-pedal footswitch.
5. Press the time reset key to silence the alarm after 5 minutes of fluoro exposure time has accumulated.



Optional Settings

- Built-in Laser Targeting Device



- Flip the fluoroscopic image



- Rotate image



- Adjust collimator



- Activate I.I. mag mode



Moving Images

- To move an image from the active monitor to the reference monitor, tap the image on the touchcreen
- To recall a saved image, tap the thumbnail image:
  1. <u>once</u> to move it to the reference screen
  2. <u>twice</u> to move it to the live monitor.



WARNING This Quick Guide is no substitute for the Ziehm Quantum User Manual. Make sure to study the User Manual thoroughly before operating the system and to strictly observe all directions, safety instructions and warnings contained therein.

Storing Images



- Images may be stored by pressing the right footswitch or by touching the STORE key on the touchscreen.
- To allow image save to USB, optional CD/DVD drive or DICOM:
  - Press the LOG IN key (default password “admin”)
  - Store USB and Send DICOM keys will appear after login







Cine Recording



1. Use laser targeting device and scout fluoroscopy for position
2. Press the CINE key
3. Select Frame rate if desired
4. Initiate fluoroscopy
5. When the exposure is terminated the cine loop will automatically play back.
6. During playback the cine recording may be advanced frame-by frame or viewed one frame at a time.
7. Individual frames may be saved from the cine run as individual images.

DSA *(similar process to Cine)*



1. Use laser targeting device and scout fluoroscopy for position
2. Press the DSA key
3. Select Frame rate if desired
4. Initiate fluoroscopy
5. Observe the 3 second count-down displayed beneath the image on the live monitor
6. Cue the physician to start contrast injection at the end of the 3 second countdown
7. A subtracted image will display on the live monitor.
8. A non-subtracted image will display on the reference monitor
9. When the exposure is terminated a cine loop will automatically play back.
10. During playback the cine recording may be advanced frame-by frame or viewed one frame at a time.
11. Individual frames may be saved from the cine run as individual images.

Printing

- There is no onboard printer option sold with the Quantum. However, a printer may be connected to the Quantum by a video cable to the BNC outlet located under the C-arm connection cable.
- In order to print an image, the desired image must be displayed on the live screen. All printing must be initiated at the printer.