

Vidisco Smart ICU

This compact, lightweight device serves as a real-time interface between the imager and laptop and offers a wide range of features including:

- An embedded computer
- Smart power system supporting 3 different panels and system accessories
- A large capacity battery with a smart Charger
- Advanced communication interface - enabling communication with the detectors, X-ray sources and laptop
- Built-in, long-range WIFI X - enabling 300 lines of sight communication with the laptop
- Built-in WXR - enabling coded and safe wireless communication with the X-ray source

The smart ICU enables synchronization of X-ray sources - this refers not only to its ability to operate various X-ray sources (e.g. Golden pulsed X-ray sources or industrial constant potential sources), but also to the significant reduction of the dose use, thereby improving safety and performance. The smart ICU can retrieve an image produced by the panel from its own built-in memory, enabling the user to receive a perfect, complete image under any condition, without the need of a reshoot. The smart ICU ensures that any "lost packet" can be re-sent independently from the ICU to the computer, achieving fast and complete data transfer without any need to re-shoot.



Smart ICU Advantages:

ICU switches automatically from external power (such as DC/AC vehicle inverter) to internal battery use. When connected to an external power, the system automatically charges the battery while operating.

The ICU has the ability to power the system panel as well as internal / external components including:

- 3 types of Si panels (RayzorXPro, FlashXPro and BlazeXPro)
- 2 types of built-in wireless (WXR or WiFiX)
- External accessories such as the XR-DE Plus

Operates in 3 different modes:

- Fully wired: The X-ray source and system are both connected by cable
- Semi-wireless: Using one of the two wireless options (WXR or WiFi X)
- Full wireless: X-ray and laptop are connected wirelessly

Easily Portable - An adjustable shoulder strap and handle enable the operator to easily carry the smart ICU to field inspections.

Durable - Featuring all weather design, the smart ICU is both durable and reliable

Built-in Wireless - 1000' (300m) to laptop and X-ray source

X-ray Synchronization - The ICU controls and synchronizes the X-ray, controlling the stop and start of X-ray radiation as well as kV, mAmp when available.

Plug & Play - The single ~165' (50m) cable is interchangeable with the CCD line of product, allowing the user to have 6 interchangeable detectors (3 CCD and 3 a-Si flat panels).

Tripod Mountable - The ability to position the smart ICU on a tripod ensures extra flexibility in the field

Modular Structure - The smart ICU's modular structure enables compatibility with future developments.

