

ES4K

Simply Connecting Systems, People, Expertise

ES4K is the next generation OR integration solution, offering efficient multidisciplinary collaboration through scalable video over outgoing IP routing of uncompressed 3D/4K video signals, hospital-wide image management secure streaming and virtual collaboration. With ES4K, the full Olympus 4K BT.2020 imaging chain from an Olympus 3D or 4K camera to a Sony 3D/4K surgical field display is ensured. Hospital-wide security based on Windows 10, the latest Enterprise IoT platform, and virus protection safeguard patient privacy and support hospitals in complying with GDPR.

Features and Software



HD Record



4K Image
Capture



4K Routing



VSS
(VaultStream)



PGS (Patient
Greeting System)



Multi-View
Tiling



PHI
Masking



Remote PC
Control



Interfaces to
MIMPS/PACS



MedPresence
Virtual
Collaboration

Program and Software



Surgical Field
Displays



Central
Power Mgmt.



Advanced
Audio



Hospital-
Wide
Security



LiveStream

(ES4K-2500 FLEX)



Clinical Benefits



- Integration of patient data from HIS and MIMPS/PACS systems to standardize patient records.
- Interactive virtual collaboration with remote colleagues may result in improved patient outcomes through well informed decisionmaking (with MedPresence).
- Securely share recorded procedures across the hospital (with VaultStream).
- Create key moment video clips at the touch of a button (with VaultStream).
- Secure Streaming allowing remote view of surgical cases for teaching within hospital network (with LiveStream).
- Supports patient safety and standardization through centralized control of medical equipment and presets (with UCES-4).

Economic Benefits



- Workflow-oriented user interface helps maximize efficiency and optimize productivity by supporting all relevant procedure steps.
- Scalable platform allowing hospitals to later add functionality.
- Easy-to-learn-and-use user interface helps reduce room downtime and potentially increase turnaround time.

Security Benefits



- Industry expert and secure tested solution, supporting GDPR compliant access to clinical images and video throughout the hospital automatically upon surgical case completion.
- Built on the latest Microsoft Enterprise IoT platform, which offers numerous IT security protection mechanisms, ensuring hospital-wide security.
- Protecting personal data by streaming videos which are encrypted end-to-end (LiveStream).

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Specifications, design, and accessories are subject to change without any notice or obligation on the part of the manufacturer.

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