



Hipac

Dependable healthcare equipment;
maintained to exacting standards

> Digital Operating Theatre Integration

 Lights, booms
and integration



We're here for life.

Hipac – making it work for you

A quarter of a century ago the concept of “making it work for you” became the foundation which has developed, formed and ensured the Hipac of today stands tall amongst Australia’s leading healthcare product suppliers.

From the intensity, pressure and technological environment of the operating theatre to the relaxed and caring atmosphere of the mental health facility, we have the solutions and the experience to make it work for you.

We understand the demands placed upon healthcare department managers, medical professionals and their assistants.

We understand that equipment needs to work on demand, on time, and every time.

We understand that here in Australia specialised healthcare equipment is mostly best sourced internationally where state of the art technology and generous manufacturing quantities can produce reliable and safe products.

We also understand that international product offering doesn’t always suit local practice.

That’s why we operate our own manufacturing facility, backed by a premium after sales national service network, to provide the connection that allows us to deliver a solution suited to your specific requirements.

It is likely that you have already experienced the Hipac advantage. If not, we look forward to exploring how we can best make it work for you.

Mission

**We're here for life.
We're here to preserve life,
to protect life and to promote life.
We're here for others and we're
here for good.**

Vision

A vibrant enthusiastic team of dynamic individuals possessing a genuine interest in the needs of those surrounding them, whose attitude and actions benefit not only our clients and their patients but reach out to touch humanity.

Our staff find work rewarding and enjoyable and our customers find engagement with them fulfilling. Stakeholders are satisfied and supportive.

A carefully selected portfolio of solid reliable products is sourced from a long lineup of manufacturers worldwide seeking well supported representation throughout the country.

Growth is sustained by the energy of a service division unequalled for its reliability, dependability and efficiency. It will be capable of a four hour response time anywhere on this vast continent.

Relationships formed will endure.

Guiding Principles

Integrity

Open, honest and loyal in every sphere and relationship.

Selflessness

Put the needs of others ahead of my own.

Consideration

Possess a caring and considerate disposition.

Courtesy

A smile, a kind word, a greeting costs nothing but is priceless.

Generosity

Display a spirit of generosity, kindness and compassion.

Orderliness

Maintain tidy and safe facilities, work areas and practices.

Effectiveness

Do it once, do it right and do it in the least amount of time. Be punctual.

Communication

Keep customers, suppliers and fellow workers informed.

Recordkeeping

Maintain accurate records for a better tomorrow. Be accountable.

Innovation

Do it smarter, better, quicker. Think outside the box.

Action

See a need do something about it... now.

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What is Digital Operating Theatre Integration?

SkyVision Operating Theatre Integration provides streamlined control of visual information. It is a digital, vendor neutral, image and video archiving and communication platform that brings together multiple IT systems, processes and procedures from both inside and outside the healthcare facility on to one user friendly interface.

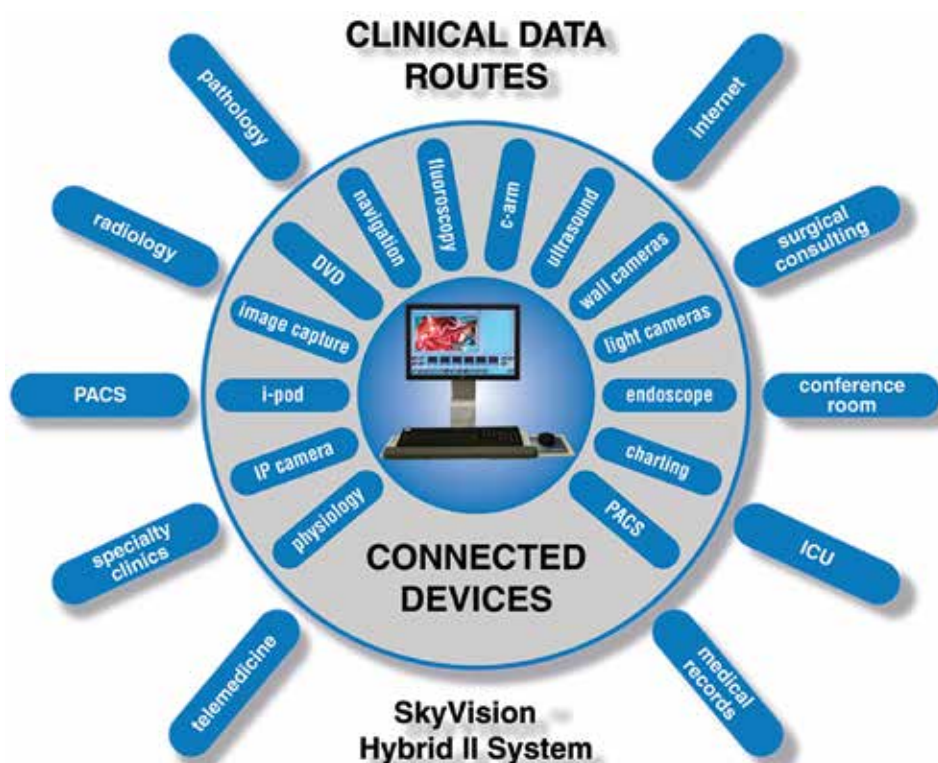
As operating theatres adapt to ever-changing technology and clinical demands, Skytron digital integration solutions are equipped to support healthcare facility's requirements with systems that are prepared for the future. Skytron digital integration packages improve operating theatre efficiency while placing the images and information required by clinicians at their fingertips.

SkyVision allows images to be captured in the operating theatre and routed to locations inside and outside of the surgical suite. This functionality also allows staff to perform on-demand consultations,

training and recording for case documentation. Patient medical history can be accessed and displayed in seconds, allowing the surgical team to promptly make informed decisions without leaving the sterile field.

With Skytron's fibre-optic infrastructure, these digital integration solutions are ready to adapt to new technologies and equipment upgrades in minutes. Lengthy operating theatre downtime is avoided as the systems do not require extensive cabling or hardware changes for expansion. In addition, Skytron systems deliver the highest image quality and provide flexibility in equipment placement, creating more usable space in the operating room.

The Skytron Hybrid II Digital Integration system represents the future for digital image routing, capturing and streaming for operating theatres worldwide.



SkyVision Hybrid II Digital Integration System

The SkyVision Hybrid II Digital Integration system is fully equipped to enhance the operating theatre with its extensive capabilities. It is designed containing multiple features including image capture, streaming, hands-free phone calls, video conferencing, camera control, live image preview and simplified command of the operating suite from a single touch panel. Because the system utilises open architecture and fibre-optic technology, it is assured to connect with both current and future source inputs.



Fibre Optic Platform



Perform Surgical Time Out



Future proof fibre optic faceplate design

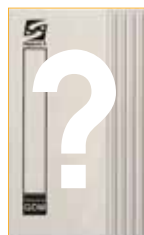
Converts original source to fibre optic signal



Legacy Faceplate



Current Faceplate



Future Faceplate

Manage Legacy, Standard Definition and High Definition Sources



C-Arm



Microscope



Camera



Robotics



Navigation



The Industry's 1st Fully Fibre Optic Digital Technology Platform!

TRON®
II Digital System
powered by



Capture Still Images and Record Video from any Connected Source



Manage Multiple PC's Via a Single Display, Keyboard and Mouse



Stream Live Video in HD over IP up to 1080p



Perform Hands Free Calls and More



View Images in Quad Screen Routable to any Display



SkyVision Hybrid II

Technical Specifications

The SkyVision Hybrid II Integration System is based on an all fibre optic infrastructure for source inputs and display outputs. The system connects multiple source types (VGA, DVI, HD-SDI, S-Video and Composite) to the control rack over single strand, multi-mode optical fibre via source faceplate conversion boxes. The source faceplates can be installed in boom arm equipment carriers or in double gang electrical wall boxes depending on the source location. The source faceplates convert copper wire analog signals to a fibre optic digital signal. Low voltage power is used for providing power to the optical fibre source faceplate and display receivers. The system can route up to 16 sources to up to 6 routable and 2 secondary display outputs.

The 19" Wide Screen Touch Panel interface allows staff to manage source and destination paths simply and effectively. The system can be equipped with PnP (Plug and Play) options to further enhance operating suite communication, information workflow, departmental communication and more.

KEY FEATURES

- Connects with VGA, DVI, HD-SDI, S-Video and Composite sources
- Accommodates up to 16 sources
- Transmits images to a maximum of six routable and two secondary displays
- Simple image management with 19" touch panel display
- Uninterruptable Power Supply (UPS) assures system performance despite power outages
- Test Pattern Generator allows connected displays to accommodate various image resolutions
- UPS and Test Pattern Generator are built into rack, saving operating theatre space
- Optional KM switch allows control of up to four PCs via a single keyboard and mouse
- Optional Plug in Play features include: wireless microphone kit, room cameras, iPod/MP3 stereo, and much more
- Optional image capture and streaming is available
- Faceplates are easy to switch and feature LED visual indicators
- Installation options include 30U rack or Nurse Documentation Center

TECHNICAL SPECIFICATIONS:

Fibre Type Multimode

Core Diameter 50 um

Cladding Diameter 125 um

Primary Coating Diameter (uv cured acrylate) 245um

Secondary Buffer Diameter 900um

Proof Test Level 100 kpsi

Cable Weight 2.7kg/304m

Max. Tensile Load 50kg

Impact Resistance 200 impacts

Crush Resistance 500 N/cm

Display Type Active matrix TFT LCD

Display size 19" diagonal

Backlight Lamp Life 40,000 Hrs. min

VGA Faceplate Input Resolutions @ 60Hz

640 x 480, 800 x 600, 1024 x 768, 1280 x 720, 1280 x 1024, 1600 x 1200

S-Video / Composite Faceplate

Input Resolutions NTSC

DVI Faceplate Input Resolutions @ 60Hz 480i,

480p, SVGA, XGA, 720p, SXGA, 1080i, 1080p

HD-SDI Faceplate Input Resolutions 720p, 1080i,

1080p – SMPTE 259M-C and SMPTE292M

Power Supply 100-240VAC, 50/60Hz

BTU/Hr 2900 maximum load

Unit Dimensions:

30U Rack 1511 H x 597 W x 667mm D

2 -12U Racks 610 H x 508 W x 610mm D (per rack)

Compliance & Certifications CE, UL60601-1,

UL60950-1, CSA C22.2 No. 60950-1-07,

IEC 60950-1:2005, RoHS

Precision **HD** High Definition Camera System

Skytron's Precision HD Camera System provides dynamic, superb quality video for Aurora II Camera Ready lightheads.

High quality, surgical video begins with the Precision HD Camera System. This compact system fits any camera-ready, Aurora 3 light head handle and allows you to capture high-definition video of any procedure. See every detail of your patient's case clearly with the advanced camera capabilities such as rotation, iris adjustment, zoom, d zoom, auto focus and much more.

The camera design also allows convenient transport from room to room, meaning that you can achieve superior video and clarity in any OR equipped with Aurora 3 surgical lights.

KEY FEATURES

- Handle-mounted, compact design
- 120x zoom (10x optical, 12x digital)
- High-speed, auto focus lens
- Offers flexible outputs for video conferencing, broadcasting and point-of-view applications
- Controls include: camera rotation, iris adjustment, zoom, d zoom, focus, auto focus, auto white balance, one-push white balance and freeze
- Resolution is 1080i (1920 x 1080) analog; 1080p (1920 x 1080) digital
- HD analog Y/Pb/Pr, RGB, DVI-D outputs are available
- Sterilisable or disposable cover permits surgeon control of surgical lighting and focus adjustments



Precision HD Camera Controller (front)



Precision HD Camera Controller (back)



Digital Image Capture and Streaming Systems

Digital Image Capture

The SkyVision Hybrid II Digital Image Capture Kit allows clinicians to capture, record and save for review any of the source streams that are connected to the SkyVision Hybrid II system.

At the push of a button via the 19" touch screen, the surgical team can capture any of the source streams and archive them in PACS or on a designated hospital network location.

This data is captured in high definition digital format through the fibre optic cabling of the SkyVision II Digital Integration System.

Live streaming

The live streaming upgrade to the Digital Image Capture Kit allows you to stream live source feeds across designated IP ranges.

The real advantage of this module is that it allows clinicians and specialists in remote locations to give the surgical team real time advice and support at the press of a touchscreen button. Streams can be sent to any number of other locations including lecture halls for teaching purposes, tea-rooms and observation areas.



Pan Tilt Zoom Room Camera and Audio System

Pan Tilt Zoom Room Camera System

This High Definition camera outputs a 1920 x 1080 resolution to the SkyVision integration system to provide a crystal clear image and can be routed to any of the outputs of the system including an Image/Video Capture System for recording or streaming if those options are present. PTZ control of the camera is achieved through the SkyVision touch panel interface which also includes the ability to store preset positions for fast and accurate camera positioning.



Premium Audio System

Using high quality audio components and integrating them with the SkyVision system, the Premium Audio Package adds an essential aspect to the SkyVision system.

It will add audio functionality to all of the other applicable options such as video recording and live streaming, and can also enable hands free phone calls.



NDS Radiance G2 Surgical Flatscreen Displays

Multi-modality imaging made easy. NDS Radiance G2 displays present crisp and clear images from the endoscopic camera, fluoroscope, ultrasound and various other sources in the operating theatre. In addition, the displays feature numerous Advanced Image Processing (AIP) technologies that result in unprecedented clarity.

With their unique Multiple-Modality Image Processing (MMIP), the Radiance G2 displays can simultaneously combine up to two source outputs into one image. With this ability, the surgical team can view a stored radiological image in comparison with live video. This elite technology can significantly increase the success of each surgical case by allowing the clinicians to more quickly and accurately identify internal issues.

The Radiance G2 displays also offer unparalleled video response times, allowing you to view images in real-time. Also, with the exclusive Picture-Perfect Technology, pictures can be combined together seamlessly and without blemish. With their broad compatibility, the displays will work with almost any type of source including the specialised sync-on-green (SOG) format often used by fluoroscopic imaging equipment.

Radiance G2 displays are also in strict conformance with the highest medical standards. With their fluid resistant front panel and fan-less operation, these displays will help to maintain a safe and sterile clinical environment.

24" AND 26" HD DISPLAYS

CODE:	DESCRIPTION:
117409	24" Radiance G2 Series High Definition LED Backlit Display.
117410	24" Radiance G2 Series High Definition LED Backlit Display (built in Fibre Connection).
117411	26" Radiance G2 Series High Definition LED Backlit Display.
117412	26" Radiance G2 Series High Definition LED Backlit Display (built in Fibre Connection).



32" HD DISPLAY

CODE:	DESCRIPTION:
117413	32" Radiance Series High Definition LCD Display.



42" HD DISPLAY

CODE:	DESCRIPTION:
117414	42" Radiance G2 Series High Definition LED Backlit Display (built in Fibre Connection).



55" HD DISPLAY

CODE:	SPECIFICATION REFERENCE:
117415	55" Radiance G2 Series High Definition LED Display (built in Fibre Connection).



Note: 42" and 55" wall displays require a wall bracket (sold separately)

Foreseeson Surgical Displays

Hipac is pleased to offer a full line of high-definition, flat screen displays from Foreseeson (FSN). The displays are uniquely designed to deliver strikingly clear images from medical video equipment or PACS while maximising valuable operating theatre space.

Each FSN display achieves superior clarity with the Accurate Color Reproduction feature. The displays have the unique ability to precisely capture the color spectrum, allowing the surgical team to view images in their exact color. Fine tune adjustments can easily be made so that clinical preferences can always be accommodated.

FSN displays also offer flexible visualisation options. Picture-in-Picture and Picture-by-Picture formats are available in addition to zoom, swap, pan, OSD lock and freeze functions. Each display option is simply selectable via the keypad on the front panel, making the FSN displays a flexible and easy-to-use solution for the operating suite.

With their broad compatibility, these displays will accommodate most major source inputs. In addition, these displays guarantee years of reliable, safe performance as each display is liquid resistant and built for durability.

24" HD DISPLAY

CODE:	DESCRIPTION:
117416	FSN HD-Zoom 24" Medical Grade LCD Display for surgical and PACS imaging. 1920 X 1080 resolution includes 24VDC power supply, Inputs: DVI, VGA, SDI, Composite, SOG, S-Video, Component, RS-232. Includes Image Zoom compatibility via SkyVision Touch Panel or front panel buttons on the display. Display includes a built-in cable cover.)



26" HD DISPLAY

CODE:	DESCRIPTION:
117417	FSN HD-Zoom 26" Medical Grade LED Display for surgical and PACS imaging. 1920 X 1080 resolution includes 24VDC power supply, Inputs: DVI, VGA, SDI, Composite, SOG, S-Video, Component, RS-232. Includes Image Zoom compatibility via SkyVision Touch Panel or front panel buttons on the display. Display includes a built-in cable cover.



42" HD DISPLAY

CODE:	DESCRIPTION:
117418	FSN HD-Zoom 42" Medical Grade LCD Display for surgical and PACS imaging. 1920 X 1080 resolution includes 24VDC power supply, Inputs: DVI, VGA, SDI, Composite, SOG, S-Video, Component, RS-232. Includes Image Zoom compatibility via SkyVision Touch Panel or front panel buttons on the display.



55" HD DISPLAY

CODE:	DESCRIPTION:
117419	FSN HD-Zoom 55" Medical Grade LED Display for surgical and PACS imaging. 1920 X 1080 resolution includes 24VDC power supply, Inputs: DVI, VGA, SDI, Composite, SOG, S-Video, Component, RS-232. Includes Image Zoom compatibility via SkyVision Touch Panel or front panel buttons on the display.



Note: 42" and 55" wall displays require a wall bracket (sold separately)



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