KARL STORZ OR1™ mini
Your Key to Integration
in FULL HD and 3D quality
OR1™ MINI – an easy and intuitive video routing system with the KARL STORZ user interface for customers on a limited budget with straightforward case requirements. This integration solution improves efficiency and simplifies the workflow in the OR.

Based on long-term experience with OR1™ in the field of integrated ORs, we are now able to offer a basic integration solution for routing all video sources within the OR with only one tablet.

**OR1™ MINI ...**

- Features an easy video routing integration solution with scaling function
- Enables PIP/PAP image display
- Provides analog and digital inputs for flexible use of the equipment
- Enables streaming access from a tablet; optional on-air lamp available
- Allows custom naming of routing sources and destinations as desired by the customer
- Offers Multi-Language function to support up to 16 languages
- Offers optional embedded streaming
- Features simultaneous audio streaming and audio capture recording
- Enables 3D routing

It is recommended to check the suitability of the product for the intended procedure prior to use.
The gateway to integration...
**Features of OR1™ mini**

1. **Image control with PIP/PAP, move PIP, swap PIP/PAP**
2. **16 different languages supported for renaming source/destination or headers**
3. **Automatic scaling; Analog or digital input options for OR equipment provide flexibility**
4. **Easy video routing integration solution in 3D and FULL HD quality**
5. **Customized user interface allows easy renaming of input and output signals**
6. **Simple streaming option for video and audio**
Functions and Benefits:

- Ideal product for customers with a limited budget and straightforward feature requirements
- Small dimensions and easy to install: Saves hospitals time and money with simple installation requirements
- With OR1™ MINI, it is now possible to control the OR with 3D signals. KARL STORZ has a full spectrum of solutions.
- We offer the right solution for every requirement, allowing customers to integrate more ORs with the familiar KARL STORZ user interface and simple integration requirements.
- Also allows expansion to other premium integration solutions from KARL STORZ in rooms with higher requirements with regard to integration and routing.
- Embedded streaming function with unidirectional video and audio. The OR1™ MINI routing function makes it possible to stream all input signals. The Streaming function can be switched on and off.
OR1™ mini application example

Configuration B and D

Configuration E and F

Configuration D offers embedded streaming

Configuration F offers embedded streaming
## Specifications

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Mounting of the Tablet

The touch screen tablet with docking station has a VESA mount, allowing different types of tablet mounting options:

a. **Articulating Wall Mount Option**
   - Standard VESA mount (77 x 75 mm and 100 x 100 mm)
   - 180° tilt
   - 360° pan
   - 360° rotation
   - 23.8” maximum extension
   - 11.33 kg weight capacity
   - Black

b. **Nurse Station Desktop Option**
   - Standard VESA mount (77 x 75 mm and 100 x 100 mm)
   - 115° tilt
   - 360° pan
   - 6.5” lift
   - 10.43 kg weight capacity
   - Black

c. **Boom Arm Option**
   - Standard VESA mount (77 x 75 mm and 100 x 100 mm)
   - 120° tilt
   - 210° degree pan
   - 1.02” lift
   - 2-8 kg weight capacity
   - Grey
Overview

**WUIS 1852-01 OR1™ MINI Video Image Processor**, Config. B, cross-scaling video matrix 10 x 5, resolution up to 1920 x 1200@60 Hz, control via RS-232 or Ethernet, to be used with WUIS 1856-01 OR1™ MINI Control Tablet, TBLT, DS, set

Inputs:
2x S-Video (mini-DIN 4-pin)
2x Composite (BNC)
4x DVI-D (DVI-I)
2x SD/HD/3G-SDI (BNC)

Outputs:
5x DVI-D (DVI-I)
Control:
1x RS-232 (DE9 female)
1x Ethernet (8P8C)

Power supply:
100 – 240 VAC, 50/60 Hz, 2 A (max.)

Dimensions in mm (w x h x d):
437 x 139.5 x 380

Weight in kg: 8.875

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**WUIS 2452 OR1™ MINI Video Image Processor**, Config. D, cross-scaling video matrix 10 x 5, resolution up to 1920 x 1200@60 Hz, unidirectional AV streaming, control via RS-232 or Ethernet, to be used with WUIS 1856-01 OR1™ MINI Control Tablet, TBLT, DS, set

Inputs:
2x S-Video (mini-DIN 4-pin)
2x Composite (BNC)
4x DVI-D (DVI-I)
2x SD/HD/3G-SDI (BNC)
1x Audio (3.5 mm TRS)

Outputs:
5x DVI-D (DVI-I)
1x Ethernet (8P8C)

Control:
1x RS-232 (DE9 female)
1x Ethernet (8P8C)

Power supply:
100 – 240 VAC, 50/60 Hz, 2 A (max.)

Dimensions in mm (w x h x d):
437 x 139.5 x 380

Weight in kg: 8.875
OR1™ MINI Video Image Processor, Config. E, cross-scaling video matrix 10 x 5, resolution up to 1920 X 1200@60 Hz, control via RS-232 or Ethernet, to be used with WUIS 1856-01 OR1™ MINI Control Tablet, TBLT, DS, set

Inputs:
- 2x S-Video (mini DIN 4 pin)
- 2x Composite (BNC)
- 4x DVI-D (DVI-I)
- 2x SD/HD/3G-SDI (BNC, looped)
- 1x Audio (3.5 mm TRS)

Outputs:
- 3x 3G-SDI (BNC)
- 2x DVI-D (DVI-I)

Control:
- 1x RS-232 (DE9 female)
- 1x Ethernet (RJ-45)

Power supply:
- 100 – 240 VAC, 50/60 Hz, 2 A (max.)

Dimensions in mm (W x H x D):
- 437 x 139.5 x 380

Weight in kg: 9.5

Note: One DVI output is hardlinked to the streaming port.
**OR1™ MINI Control Tablet, Set**

10” tablet with pre-installed OR1™ MINI control application, with protective frame, ready-mounted in docking-station (VESA 75, connecting cable USB 4.5 m)

Control and voltage supply:
1x USB
Power supply:
5 VDC 2A

Dimensions in mm (w x h x d): 280 x 205 x 38
Weight in kg: 1.8

**OR1™ MINI Soft- and Firmware Upgrade,**

to homogenize the firmware of OR1™ MINI Video Image Processors as well as the software of OR1™ mini Control Tablets (GUI) in a mixed environment of previous and current OR1™ mini systems. The upgrade applies to one (1) system.

**Note:** The OR1™ MINI to be upgraded must be identified by the serial number of the respective Video Image Processor and Control Tablet in the customer order.
Mounting Options for Tablet:

**WUIS 1966**  
**OR1™ Desk Mount**, for 10 to 17” monitors up to 13 kg, monitor tilts from -2° to 180°, for use with OR1™ mini Control Tablet WUIS 1856  
- Color: Black  
- Material: Steel, plastic, zinc  
- Mount: VESA 75  
- Dimensions in mm (w x h x d): 203 x 213 x 227  
- Weight in kg: 1.61

**WUIS 1967**  
**OR1™ Wall Mount**, for monitors up to 11.3 kg, distance of monitor to wall from 148 to 605 mm, monitor with tilt, pivot and rotation function, for use with OR1™ mini Control Tablet WUIS 1856  
- Color: Black  
- Material: Steel, plastic, aluminum  
- Mount: VESA 75/100  
- Dimensions in mm (w x h x d): 419 x 213 x 406  
- Weight in kg: 3.9

**W 30728**  
**Monitor Holder**, for 38 mm rod, single arm, height-adjustable with gas spring, with VESA 75/100 monitor mount, for monitors 2-8 kg  
- Color: Gray  
- Total length of extension arm: 576 mm  
- Swivel axis at rod: 210°  
- Axis at monitor: 220°  
- Tilt: +90°/-30°  
- Dimensions in mm (w x h x d): 100 x 150 x 650  
- Weight in kg: 2
Expandability

Monitors:

**TM 220**

27" FULL HD Monitor, screen resolution 1920 x 1080, image format 16:9, video inputs: 2x DVI, 3G-SDI, VGA, S-Video, Composite, video outputs: DVI, 3G-SDI, Composite, power supply 100-240 VAC, 50/60 Hz, 5 V DC output (1 A), wall mount with VESA 100 adaptor

including:

- External 24 VDC Power Supply
- Mains Cord
- Cable Cover
- 4x Mounting Screws M4

**TM 323**

32" 3D Monitor, color systems PAL/NTSC, max. screen resolution 1920 x 1080, image format 16:9, video inputs: 2x DVI, 2x 3G-SDI, VGA, S-Video, Composite, video outputs: DVI, 2x 3G-SDI, VGA, S-Video, Composite, power supply 100-240 VAC, 50/60 Hz, 5 V output (1 A), wall mount with VESA 200 adaptor

including:

- External 24 VDC Power Supply
- Mains Cord
- 3x 3D Polarization Glasses, fogless, passive
- Cable Cover

**W29642 NBO**

42" HD Flat Screen Monitor, color systems PAL/NTSC, max. screen resolution 920 x 1080, image format 16:9, SD-SDI, HD-SDI (1080i), Composite video, S-Video, RGB, DVI-I and optical DVI-D (1080p), input with electric redrive and VGA input, power supply 100-240 VAC, 50/60 Hz, wall mount with VESA 300 x 100

including:

- Mains Cord
- Video Cable Set (DVI-D, NC, S-Video, VGA)

Brightness: 500 cd/m²
Contrast: 1300:1
Power supply: 100-240 VAC, 50/60 Hz
Dimensions in mm (w x h x d): 1030 x 633 x 119
Weight in kg: 30

**NOTE:**

Fiber optic cable, the signal converter/transmitter W 26074 (DVI-D to optical signal) and the corresponding power supply W 26110 are not included in delivery and have to be ordered separately.