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

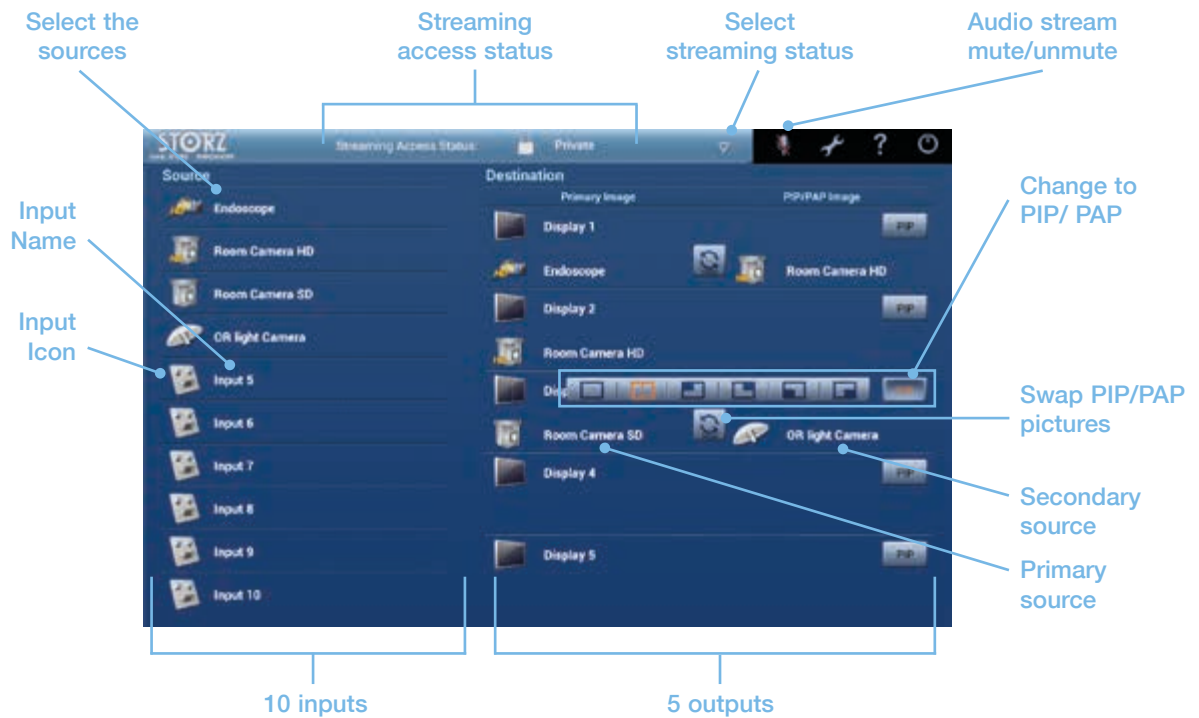16 different languages supported for renaming source/destination or headers

Easy video routing integration solution in 3D and FULL HD quality

Automatic scaling; Analog or digital input options for OR equipment provide flexibility

Customized user interface allows easy renaming of input and output signals

Image control with PIP/PAP, move PIP, swap PIP/PAP

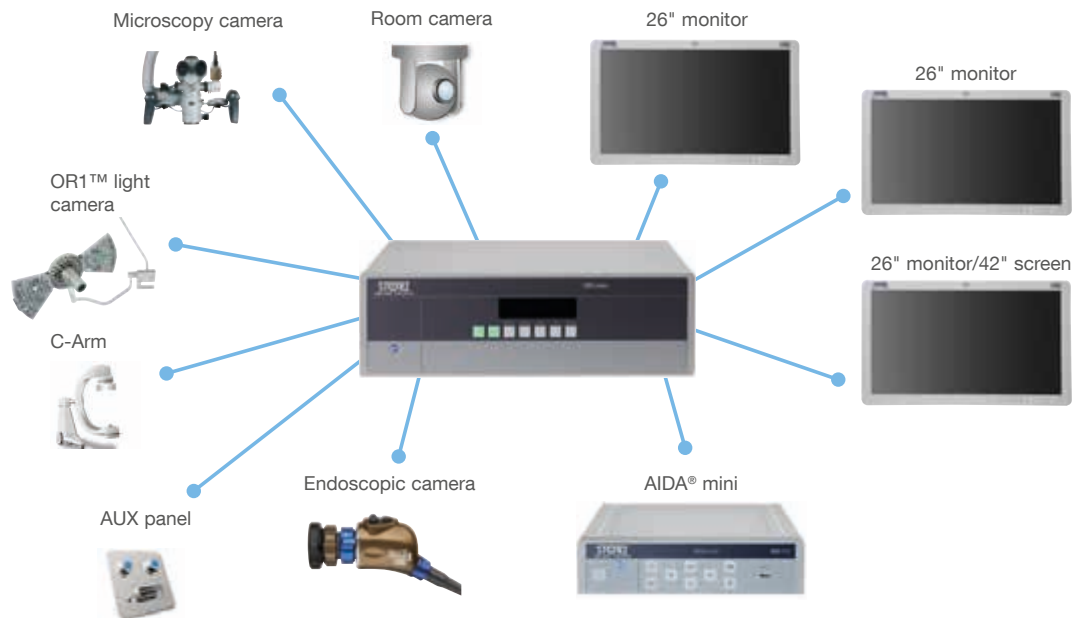Simple streaming option for video and audio

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.
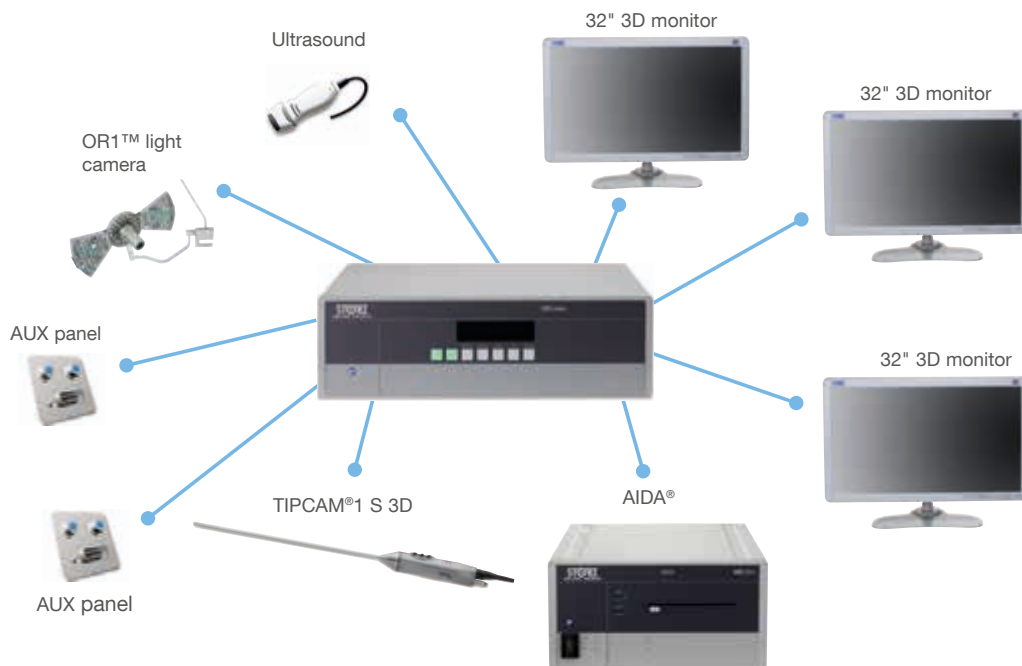
OR1™ mini application example

Configuration B and D

Microscopy camera

Room camera

26" monitor

26" monitor

OR1™ light camera

26" monitor/42" screen

C-Arm

AUX panel

Endoscopic camera

AIDA® mini

Configuration D offers embedded streaming

Configuration E and F

Ultrasound

32" 3D monitor

32" 3D monitor

OR1™ light camera

AUX panel

32" 3D monitor

TIPCAM®1 S 3D

AIDA®

AUX panel

Configuration F offers embedded streaming

Specifications

			Config. B	Config. D	Config. E	Config. F
Digital inputs	DVI-D		4	4	4	4
	3G HD-SDI		2	2	2	2
Analog inputs	S-Video		2	2	2	2
	Composite		2	2	2	2
Digital outputs	DVI-D		5	5 (1x RJ45 for streaming)	2	2 (1x RJ45 for streaming)
	3G SDI		-	-	3	3
Dimensions	WUIS 1852	OR1™ MINI Video Image Processor, Config. B	437 mm x 139.5 mm x 380 mm (w x h x d)			
	WUIS 2452	OR1™ MINI Video Image Processor, Config. D				
	WUIS 2453	OR1™ MINI Video Image Processor, Config. E				
	WUIS 2454	OR1™ MINI Video Image Processor, Config. F				
Weight:	WUIS 1852	OR1™ MINI Video Image Processor, Config. B	8.875 kg			
	WUIS 2452	OR1™ MINI Video Image Processor, Config. D				
	WUIS 2453	OR1™ MINI Video Image Processor, Config. E				
	WUIS 2454	OR1™ MINI Video Image Processor, Config. F				
Power supply	WUIS 1852	OR1™ MINI Video Image Processor, Config. B	100-240 VAC, 50/60 Hz			
	WUIS 2452	OR1™ MINI Video Image Processor, Config. D				
	WUIS 2453	OR1™ MINI Video Image Processor, Config. E				
	WUIS 2454	OR1™ MINI Video Image Processor, Config. F				
Output resolution	WUIS 1852	OR1™ MINI Video Image Processor, Config. B	max. 1920x1080p60			
	WUIS 2452	OR1™ MINI Video Image Processor, Config. D				
	WUIS 2753	OR1™ MINI Video Image Processor, Config. E				
	WUIS 2754	OR1™ MINI Video Image Processor, Config. F				
Embedded Streaming			-	✔	-	✔

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,

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

WUIS 2753   **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

WUIS 2754   **OR1™ MINI Video Image Processor,** Config. F,
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)

1x Ethernet (RJ-45)

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.

WUIS 1856-01   **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

WUIS 2468   **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°
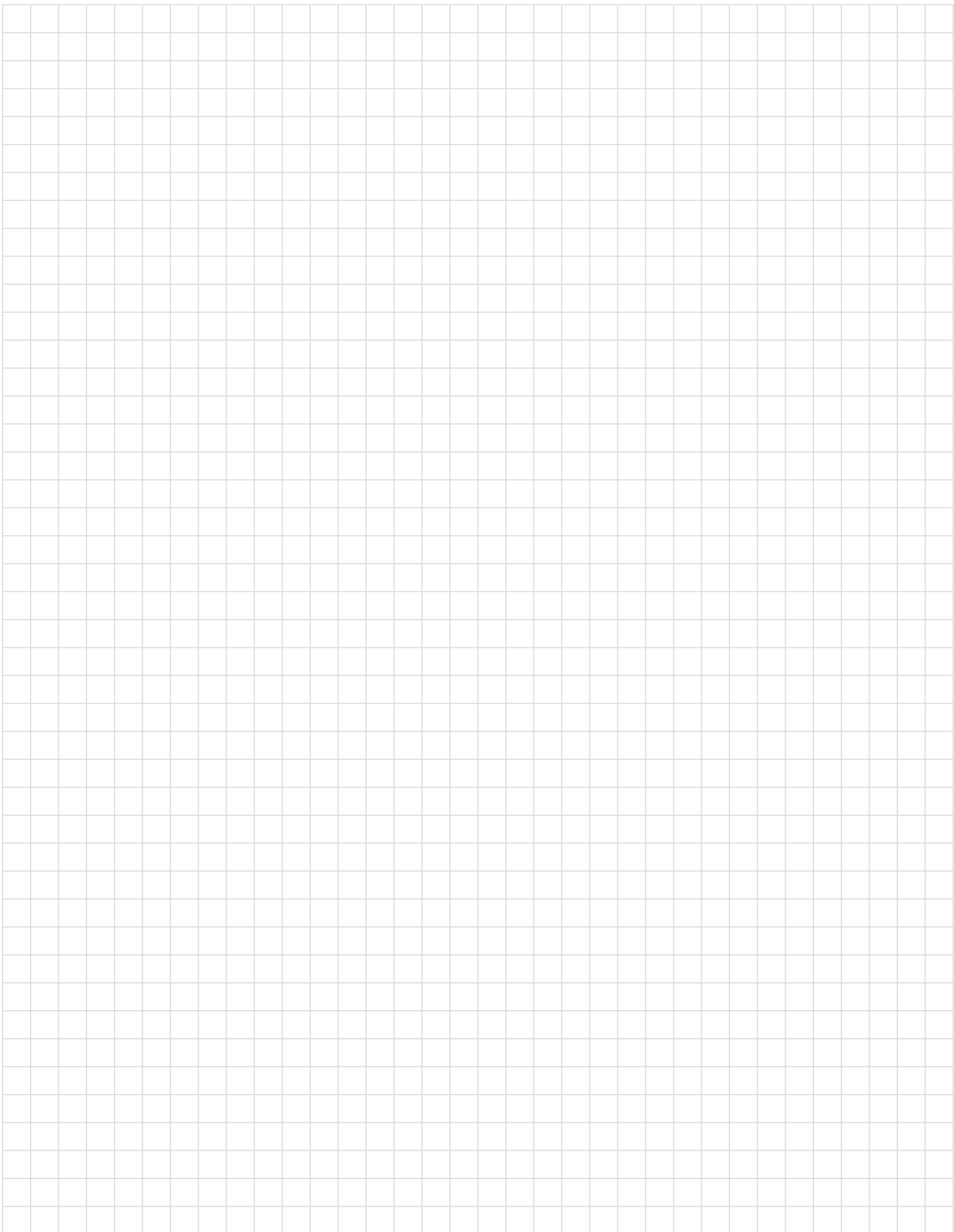Dimensions in mm (w x h x d): 100 x 150 x 650
Weight in kg: 2

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/m^2
Contrast: 1300:1
Power supply: 100-240 VAC, 50/60 Hz
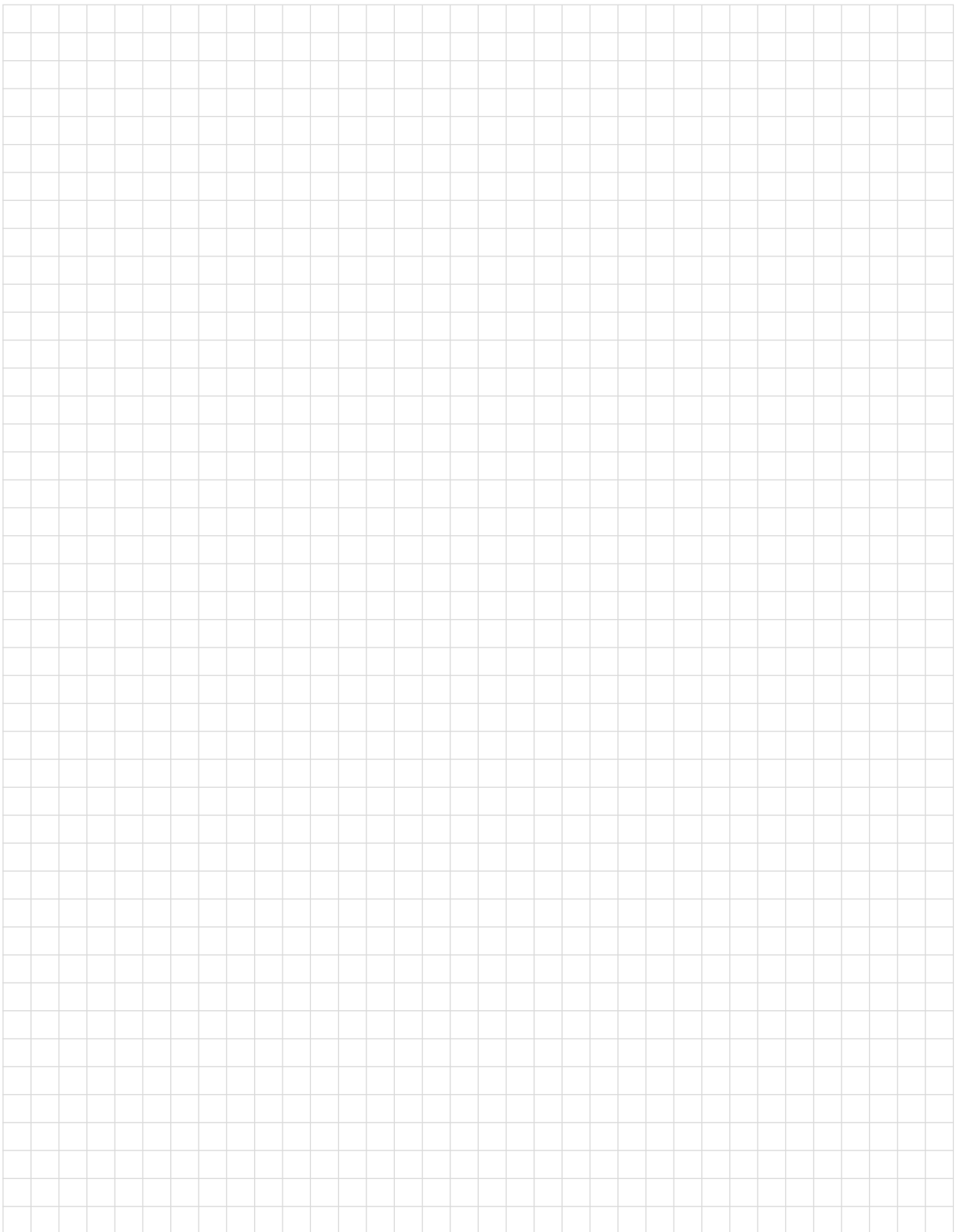Dimensions in mm (w x h x d): 1030 x 633 x 119
Weight in kg: 30

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.

Notes

Notes

WORKFLOW | VIDEO ROUTING | UNIFIED COMMUNICATION | DEVICE CONTROL | DOCUMENTATION | REPORTING | CONTENT MANAGEMENT |

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