UPA-WU10

Wireless USB solution for medical printing

Overview

Wirelessly connect printers to medical imaging systems

The UPA-WU10 wireless print system allows cable-free connection of compatible Sony medical printers with surgical endoscopes, ultrasound systems and other hospital imaging modalities.

The system effetively replaces a conventional wired USB connection between printer and imaging modality. It's ideal for busy clinical environments, where modalities are constantly being moved between different OR and treatment rooms. The all-in-one wireless print solution also resolves the problem of limited space on medical carts, allowing connection between the modality and an 'off-cart' printer without needing a lengthy USB cable.

The complete system comprises two components: the compact USB transmitter module (for the imaging modality) and a USB receiver module (for the printer).

There's no need for any local Wi-Fi (WLAN) network, lengthy set-up or installation of extra software: Transmitter and receiver are paired automatically via stable UWB (Ultra Wide Band) connection over distances of up to 10m.

Three user-selectable radio channels allow simultaneous transmission between multiple transmitter/receiver pairs in the same room, serving multiple printers.

Features

Auto Quick Link for easy 1:1 wireless pairing
Transmitter searches for any receiver, and automatically pairs with closest transmitter emitting the strongest signal.

No wires, no extra software
System replaces USB cable connection to modality with wireless link: no additional software's needed, other than the printer driver installed on the modality.

Automatic reconnection
Wireless connection between devices is automatically re-established if connection is temporarily lost.

Serve multiple printers
Three radio channels allow simultaneous transmission between multiple transmitter/receiver pairs: permits use of up to three printers in the same room (requires separate UPA-WU10 per printer).

Adequate transfer distance for medical use
Wirelessly transfers data from modality to printer. Maximum transmission range is approx. 10m, using Ultra Wide Band.

Specifications

Specifications	
Operating Temperature	5 °C to 40 °C 41 °F to 104 °F

Operating Humidity	20% to 80%
Storage/Transport Temperature	-20 °C to +60 °C -4 °F to +140 °F
Storage/Transport Humidity	20% to 80%
Operating/Storage/Transport Pressure	700 hPa to 1060 hPa
Dimensions (W x H x D) [*1]	Transmitter (excluding USB connector): 19.5 × 8.5 × 41.3 mm (25/32 x 11/32 x 1 11/16 inches) Transmitter (including USB connector): 19.5 × 8.5 × 53.3 mm (25/32 x 11/32 x 2 1/8 inches) Receiver: 27.6 × 66.1 × 66.1 mm (1 1/8 x 2 5/8 x 2 5/8 inches)
Mass	Transmitter: Approx. 8 g (0.28 oz.) Receiver: Approx. 57 g (2.0 oz.)

Communication System	UWB (Ultra Wide Band)
Transmit/Receive Frequency	7392 MHz to 8448 MHz Band Group #6 (Band #9, #10)
Power Requirements	DC 5V/0.5A (USB Bus power)
Transmitter Interface	USB 2.0 TypeA
Receiver Interface	USB 2.0 TypeA USB 2.0 TypeB
Maximum Communication Distance	Approx. 10 m (33 ft.) line-of-sight [2]
Maximum Number of Devices in Use Simultaneously	3
Radio Law Certification	US, Canada, EU+EFTA, Japan and China [3]
Supplied Accessories	Instructions for Use (1) Service Contact List (1) Stand(1) USB cable (x2) European Representative (1)
	UP-DR80MD A4 Digital Color Printer [4]

Compatible Products	UP-991AD A4 Black & White Hybrid Printer [*4]
	UP-971AD A4 Black & White Hybrid Printer [*4]
	UP-X898MD A6 Black & White Hybrid Printer [*4]

Notes	
*1	The values for dimensions are approximate.
*2	The communication speed will vary depending on the distance and obstacles between communication equipment, equipment configuration, RF signal strength, line congestion, and the equipment used. Communication may also fail depending on the RF signal strength.
*3	Device is certified only in these regions
*4	Compatibility may differ from region to region. For more information about the compatibility of your printer with UPA-WU10, please contact your

nearest Sony sales office or an authorised dealer.

Related products

UP-27MD

A6 Colour Video Printer

Gallery