

# TEAC®

# UR-50BD

High-Definition Medical Image Recorder



Now You Can Record High Definition Video from Medical Imaging Modalities  
with the Most Compatible Formats Available



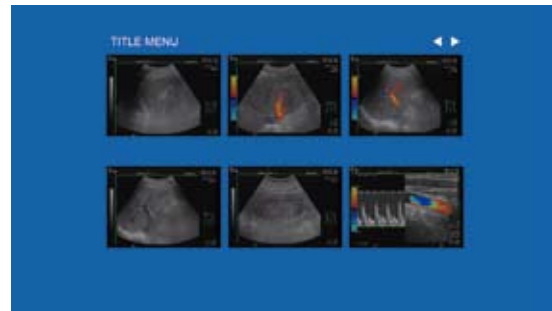
# HDMI

Based on decades of experience in medical imaging and recording, TEAC introduces the UR-50BD Medical Video Recorder, the best solution for undiluted high-definition medical recording. The UR-50BD features real-time recording of HD digital and industry standard NTSC/PAL video via the broadest support of inputs/outputs on the market (HDMI, DVI, S-Video, and BNC) with the widest range of formats currently available (BluRay, CD/DVD, HDD, and USB memory stick).

Excellent quality recording provided by TEAC UR-50BD maximizes the efficiency of studies.

## Features

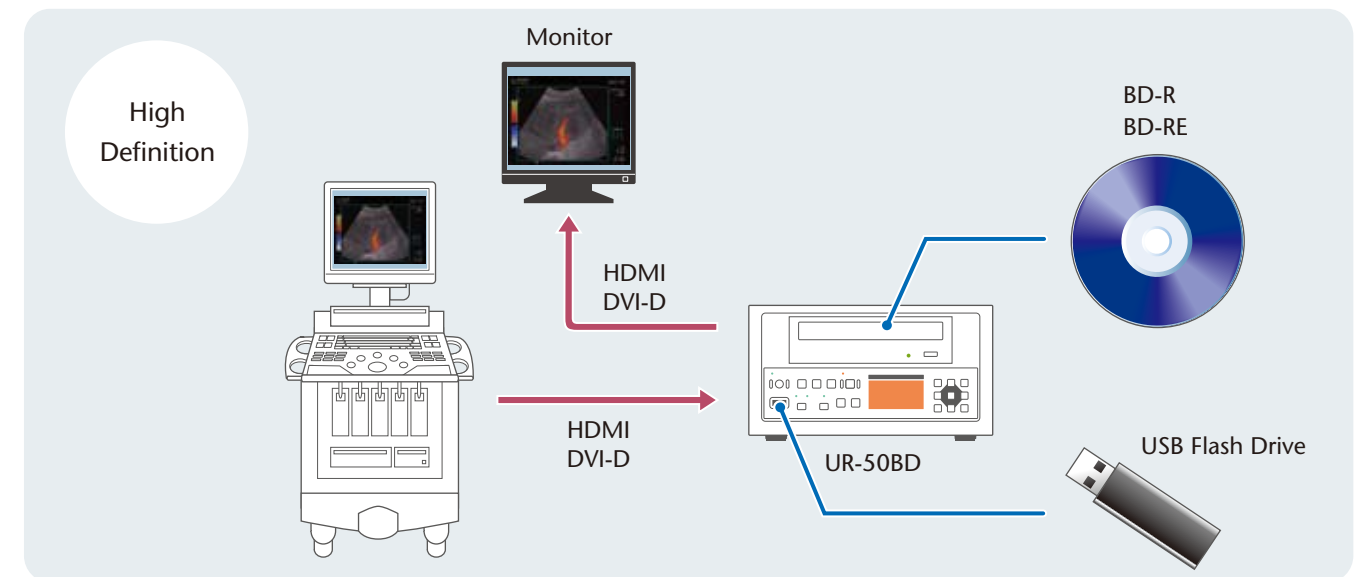
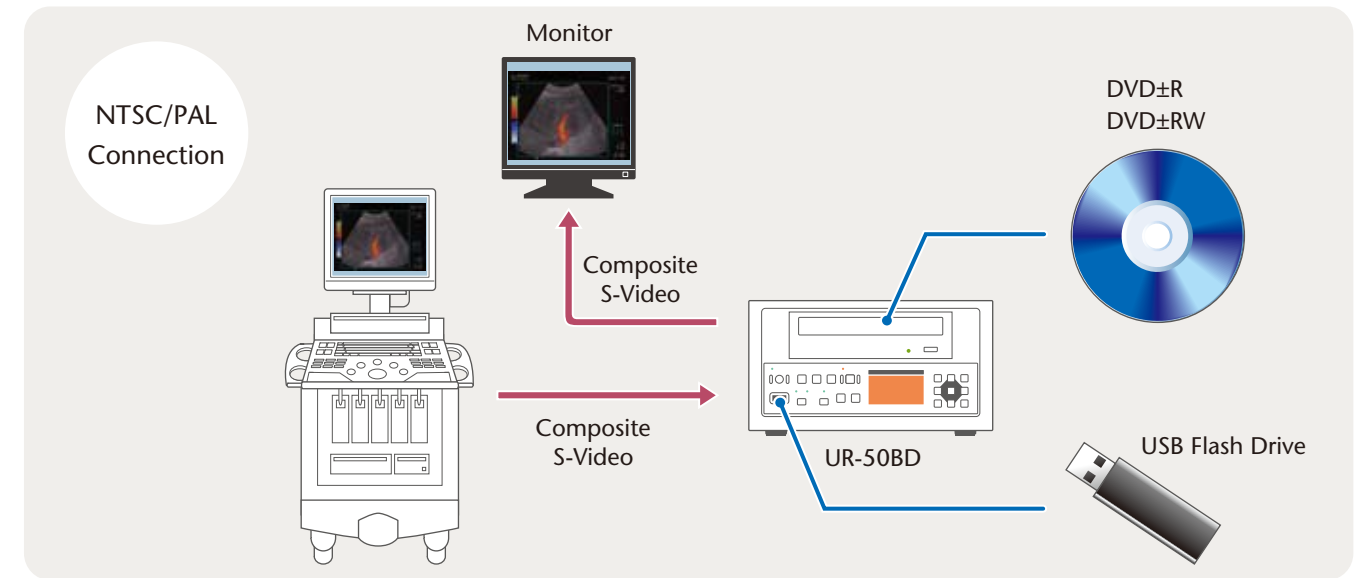
- Real-Time Direct Recording to Removable Media (Blu-Ray/DVD, USB Flash, USB Hard Drive, etc.)
- All-in-One Unit with No PC Required.
- High-Resolution Data Archiving via DVI (& HDMI).
- Hard Disk Drive (HDD) Embedded for the Data Backup.
- The Backed-Up Data (50GB x 2) on HDD Inside Can Be Retrieved to Removable Media for the Inexpensive (Digital File) Distribution of the Patient Study and Report.
- Recorded Data to Removable Media is STB and PC Compatible.
- Front Panel USB Port Provides Easy Access for USB Memory/USB HDD.
- RS-232C and USB Control.



Title Menu



## Connection, Definition and Media



## Recording Format

Input Format	Recording Format		
NTSC	Full D1	720 x 480	
PAL	Full D1	720 x 480	
SVGA	800 x 600	720P	1280 x 720
	960 x 720	720P	1280 x 720
XGA	1024 x 768	720P	1280 x 720
Quad-VGA	1280 x 960	1080i	1920 x 1080

Input Format	Recording Format		
SXGA	1280 x 1024	1080i	1920 x 1080
	1600 x 900 *	1080i	1920 x 1080
WSXGA+	1680 x 1050	1080i	1920 x 1080
1080i	1920 x 1080	1080i	1920 x 1080
1080p	1920 x 1080	1080i	1920 x 1080

\* This is an option. It is possible to add the resolution instead of SXGA.

## UR-50BD Specifications

Recordable media		
USB Flash Drive/ USB HDD	NTSC/PAL input	DVD-Video
	High-Definition	BDAV
	Recordable capacity	Max. 2 TB
DVD Disc	NTSC/PAL input	
	DVD-R, DVD-RW	DVD-Video
	DVD+R, DVD+RW	DVD-Video
	Recordable capacity	Max. 8.5 GB (DL Disc)
BD Disc	High-Definition	
	BD-R, BD-RE	BDAV
	Recordable capacity	Max. 50 GB (DL Disc)
Internal hard disk drive		
100 GB		
Recording format		
NTSC/PAL	MPEG2 PS	DVD-Video
High-Definition	MPEG2 TS	BDAV
	H.264	BDAV
Input for Video/Audio		
NTSC/PAL	BNC	1 Vp-p 75 Ω
	S-VIDEO	1 Vp-p 75 Ω Luminance
		NTSC: 0.273 Vp-p 75 Ω Chrominance PAL: 0.3 Vp-p 75 Ω Chrominance
High-Definition	HDMI	
	DVI-D	
Audio	RCA	-8 dBs min 10 kΩ, unbalanced
	HDMI	with Video Input
Output for Video/Audio		
NTSC/PAL	BNC	1 Vp-p 75 Ω
	S-VIDEO	1 Vp-p 75 Ω Luminance
		NTSC: 0.273 Vp-p 75 Ω Chrominance PAL: 0.3 Vp-p 75 Ω Chrominance
High-Definition	HDMI	
	DVI-D	
Audio	RCA	-8 dBs 1 kΩ, unbalanced
	HDMI	with Video Output (two channels)
Audio format		
NTSC/PAL	AC-3	RCA Analog
High-Definition	AC-3	RCA Analog / HDMI
Sampling	48 kHz / 16 bits	
Power supply		
AC adapter	Input	100 to 230 VAC 50/60 Hz
	Output	+15 VDC 60 Wmax
Dimensions		
Approx. 8 1/2 W x 4 5/8 H x 11 3/8 D in (214 W x 117 H x 290 D mm)		
Weight		
Approx. 8.8 lb (4.7 kg)		
Environmental condition		
Operating temperature	41 to 104 deg F (5 to 40 deg C)	
Storage temperature	-4 to 140 deg F (-20 to 60 deg C)	
Operating humidity	5 to 80% (No condensation)	
Interface		
RS-232C / USB (Virtual Serial Port)		
10BASE-T / 100BASE-TX		
External input		
mini jack (for external trigger)		
Medical standard		
Safety	IEC6060-1, CSA60601-1, EN60601-1	
EMC	IEC60601-1-2, CSA60601-1-2, EN60601-1-2	
	FCC class B, VCCI class B	
Certifications	CSA NTRL/N	
	CE Mark	
	FCC Class B	



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\*Features and specifications are subject to change without notice.

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