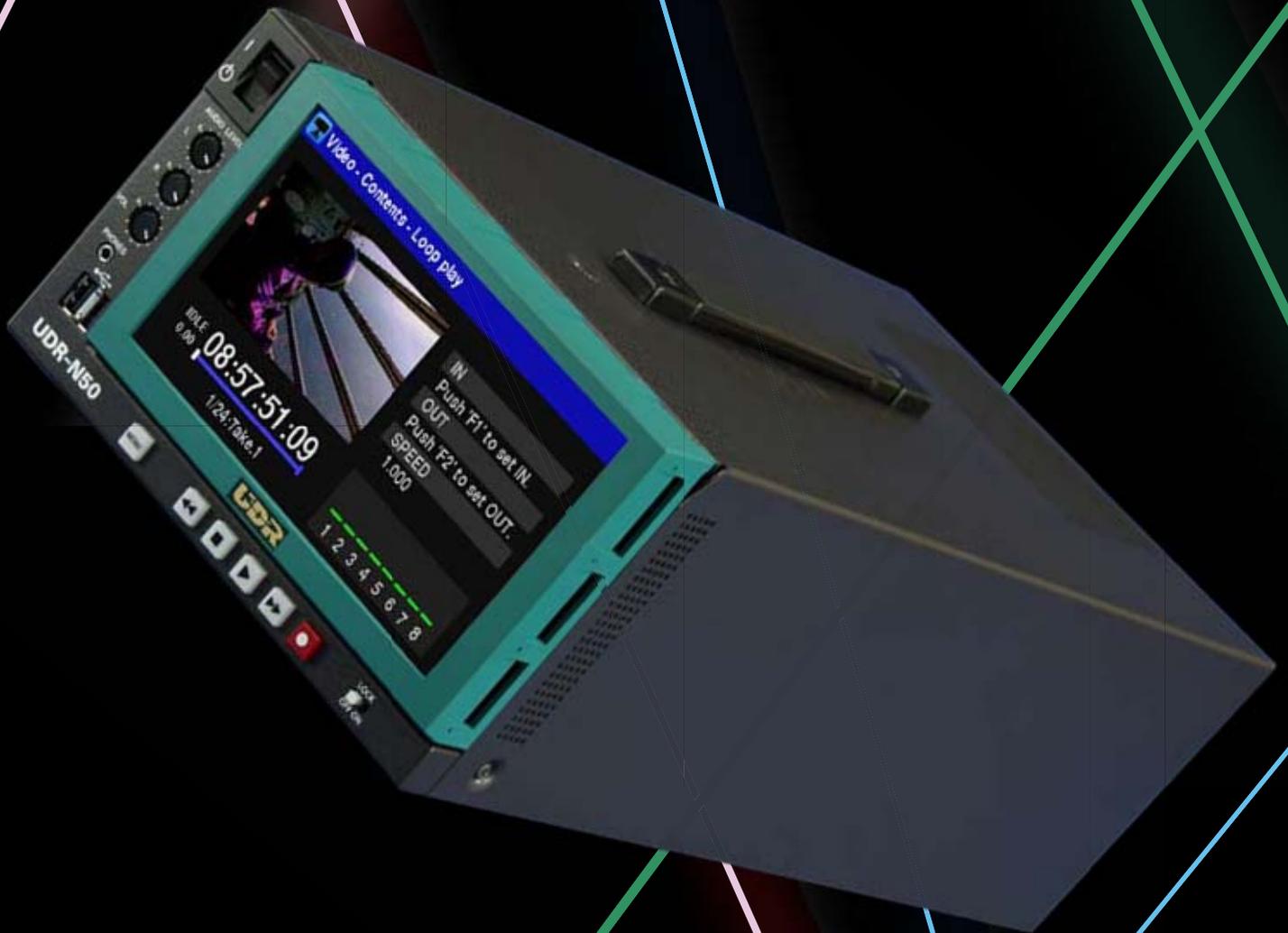


**KG** KEISOKU  
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# UDR N50

Compact  
Uncompressed  
Recorder



\*The image is a inlaid composite image

KEISOKU GIKEN Co., Ltd.

Uncompressed recorder **UDR** series new family

# Compact model for 4k-2k 「UDR-N50」 image size editing task

The UDR series, with its extraordinary high color reproduction and superior performance, has been long used in R/D scenes for such as compression codecs and video display as most pure imaging reference system.

In now, the digital contents business is advancing toward to 4k-2k, 4k-3D and 8k-4k, the UDR-N50 was born with the DNA of UDR series and all necessary features in a compact package for all visual creators.

## 4 major features of UDR-N50

4k-2k uncompressed /  
High quality image

Intimacy and expandability  
with edit production system

High speed ethernet  
compatibility

Compact size and ease  
of operation

## Features of UDR-N50

### Uncompressed recording

With UDR high speed, uncompressed technology, it can record various image data without losing detail as it is.

### 4K2K recording possible

UDR-N50 alone can record and play the next generation format of 4K2K high precision images easily.

### 3G SDI

1Realized higher resolution and wider bandwidth image quality required by 1080p and Digital Cinema.

### 10Gb Ethernet

This high speed Ethernet made UDR-N50 possible to communicate much faster for system up or file transfer between systems.

### RS-422 control

UDR-N50 is flexible enough to linear A/B roll edit, non-Linear / manage recording / rewriting.

### Simultaneous 8 units operation

The SYNCH function can make UDR-N50 of up to 8 units be synchronized.

### File I/O

#### (UDR, BMP, TIFF, DPX, CINEON & QT)

UDR-N50 comes with two dedicated software. One for PC and one for tablet PC. (for PC: JUDR, for Tablet PC: iUDR)  
It makes possible basic control of UDR-N50 and down loading for recorded data.

### Compact side EIA19 inch Half Rack Size

UDR performance is squeezed into a half rack compact size yet providing ease of operation.

### Touch panel display

Improved user interface with installed touch panel operation and image preview function.

## Recommended applications

### As a recorder for shooting



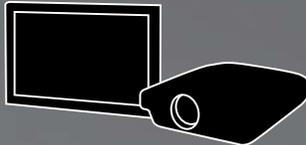
- Cinema shooting
- CM recording
- Drama shooting

### As a recorder for editing tasks



- Linear cushion recorder
- Telecine (receiving)
- NLE ingest / Write back
- Color grating/Color collection

### As a high quality image player



- Authoring original image (such as BD)
- Digital signage (for such as exhibition)
- Prosumer

## Front panel and GUI I/F

Touch panel display

USB



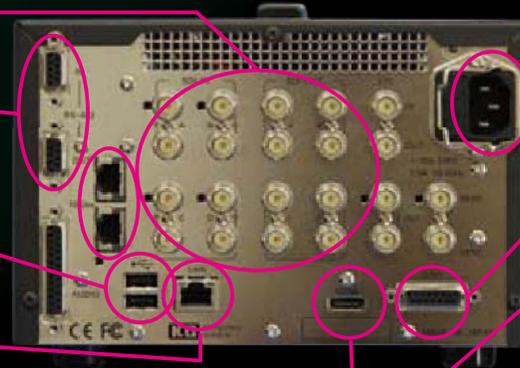
\*The image is a inlaid composite image

1.5G/3G I/O

RS-422

USB

Network control



AC 100-240V

GPIO

(Multiple unit synch operation, UPS synch option are possible)

HDMI output (3D display)

## Compatible recording media with UDR-D100

A 2.5 inch HDD type and a SSD type are available and are compatible with UDR-D100



Media Pack



## UDR-N50 specification

Digital video	
Compatible standards	SMPTE-292M (1920x1080 Single Link) / SMPTE-296M (1280x720 Single Link) SMPTE-372M (1920x1080 DualLink) / SMPTE-424M (3G-SDI) SMPTE RP-211 (1920x1080 Progressive Segmented Frame)
Video format (*1)	1920x1080 50, 59.94, 60i, 23.98, 24, 25, 29.97, 30P/PsF, 50, 59.94, 60P (*Dual Link)
	1280x720 50, 59.94, 60P
	2048x1080 23.97, 24, 29.97, 30P/PsF
	3840x2160 23.97, 24, 29.97, 30P
	4096x2160 23.97, 24, 29.97, 30P
Data format	4 : 2 : 2/12bit, 10bit, 8bit
	4 : 4 : 4/12bit, 10bit, 8bit
Audio	
Sampling frequency	48 kHz (Re-sampling possible)
Recording format	24bit x 12 CH (8CH above 2048/30p)
Input / Output	
SDI input	BNC x 4(2)CH, 3G-SDI, Loop thro, *No reclock
SDI output	BNC 4(2)Ch x 2 output, 3G-SDI
Monitor output	BNC x 1CH 3G-SDI, SD-SDI
HDMI output	HDMI1.4a x 1ch
Reference input	BNC 75ohm, Bi-synch 0.3Vp-p, Tri-synch 0.6Vp-p
SYNCH signal output	BNC75ohm, Tri-synch 0.6Vp-p. *No Bi-synch
Time code input	BNC x 1 (0.5 ~ 4Vp-p), >10kohm
Time code output	BNC x 1, (1Vp-p), Lo impedance
PHONE output	Mini jack
REMOTE control	RS422A, D-sub 9P- female, In: Slave, OUT:Master
GPIO	D-sub25P, female (Upper compatible with UDR-D100) / REC START/STOP, TALLY OUT
USB	USB2.0 A-type, 2 on front panel, 2 on rear panel
Breakout box ( Option )	
Analog audio input	XLR connector 3 pin. x 2 (female) 600ohm balanced input (No phantom power supply) RCA connector x 2 (female) for LINE use. *XLR and RCA are switchable
Analog audio output	XLR connector 3 pin. (male) x 2
Digital audio input	BNC x 4 (CH1/2, CH3/4, CH5/6, CH7/8) / AES3 format (75 ohm unbalance)
Digital audio output	BNC x 4 (CH1/2, CH3/4, CH5/6, CH7/8) / AES3 format (75 ohm unbalance)
Network interface	
Ethernet	100/1000BASE-T, TCP/IP (Standard) 1000BASE-T/10G-BASE-T, TCP-IP (Optional)
Other	
LCD display	Monitoring, GUI function (Touch panel GUI)
Camera compatibility	Panasonic CVARICAM / ARRI ALEXA, D-21, (T-link)
Remote control	Can be controlled remotely from PC or network
File copy	Image file can be copied to USB memory device
General	
Power requirement	AC100V-240V, 50/60Hz, 150W
Size	210(W) x 132 (H) x 450(D)mm
Weight	8kg (Disk pack inclusive)
Media pack	S-ATA HDD or SSD x 6. (9.5mm height) (*Compatible with UDR-D100) / 1.5kg
Operating temperature range	0 to 40C (No direct sunshine)
Operating humidity range	25 to 80% RH (No dew condensation)

\*1. Not compatible to SD (current type)

## Accessories (Sold separately)

- Breakout box (Audio I/O)
- Rack mount kit
- HDD/SSD unit

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