

VIDEO WAVE

WEVI

wireless video & camera transmission

MPEG-2 video LAN over IEEE 802.11a, 5.2 GHz technology



VIDEO WAVE uses wireless LAN technology to offer innovative ways to support TV and video production and presentation.

Drawing on years of international experience within the professional broadcast industry, the 'WAVE' range of products from WEVI focuses on the use of LAN technology, ensuring fast, efficient and secure MPEG-2 video transmission with the freedom of MPEG-2 IEEE 802.11a, 5.2 GHz wireless technology.

- reliable wireless system providing stable high quality images for PAL and NTSC sources (no licence required)
- MPEG-2 video bit rates: 14Mb/s, 8Mb/s and 6Mb/s
- uses 5.2 GHz frequency to ensure little to no interference (IEEE802.11a) transmission distance up to 50m
- employs 3 WLAN bit rate speeds 24Mb/s 12Mb/s and 6Mb/s with no image interruption thanks to the automatic adjustment control
- IR remote control function allowing control of a device connected to the transmitter via the receiver
- 'pairing' function enables easy installation of multiple Video Wave paths in the same area
- AES Encryption for secure transmission
- delay of reception less than 500 milliseconds
- transmit images and Video from a PC (software necessary – PC2TV+ driver)
- transmitter unit has 'loop through' for local monitoring of transmitted signals
- multiple systems may be 'daisy-chained' together to extend the overall distance for remote viewing
- applications include: Video Assist, Corporate Boardroom, Remote Monitoring, Government, CCTV, Home Theatre, Temporary Installations, Digital Signage, Trade Shows, Projection Systems, Sports and Entertainment and many more

features of the VIDEO WAVE system

wireless LAN interface

standard	IEEE802.11a (ARIB STD-T71)
transmission method	Orthogonal Frequency Division Multiple Modulation (OFDM)
frequency area	5,150 5,250MHz (4ch) auto-select 5,150 5,350MHz (8ch) auto-select U.S. spec
data transfer speed	6/12/24Mbps auto switch
encryption	AES Encryption
transmission power (maximum)	Japan: 180mW/18MHz, U.S.: 50mW/20MHz, Europe: 200mW/20MHz *1
reception sensitivity	-74dBmW typical

video / audio specification

video signal	NTSC / PAL / SECAM auto detection
composite input	1.0Vpp/75
s-video input	1.0Vpp/75 (Y), 0.28Vpp/75 (C)
composite output	1.0Vpp/75
s-video out	1.0Vpp/75 (Y), 0.28Vpp/75 (C)
audio input	5.66Vpp (2.0Vrms) maximum with 20K load
audio output	2.0Vpp (0.7Vrms) maximum with 100K load
compression / expansion method	MPEG-2
MPEG bit rate	4/8/14Mbps auto switch

VIDEO WAVE

product specification

wireless LAN interface

signal carrier frequency	38KHz
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I/O connection types

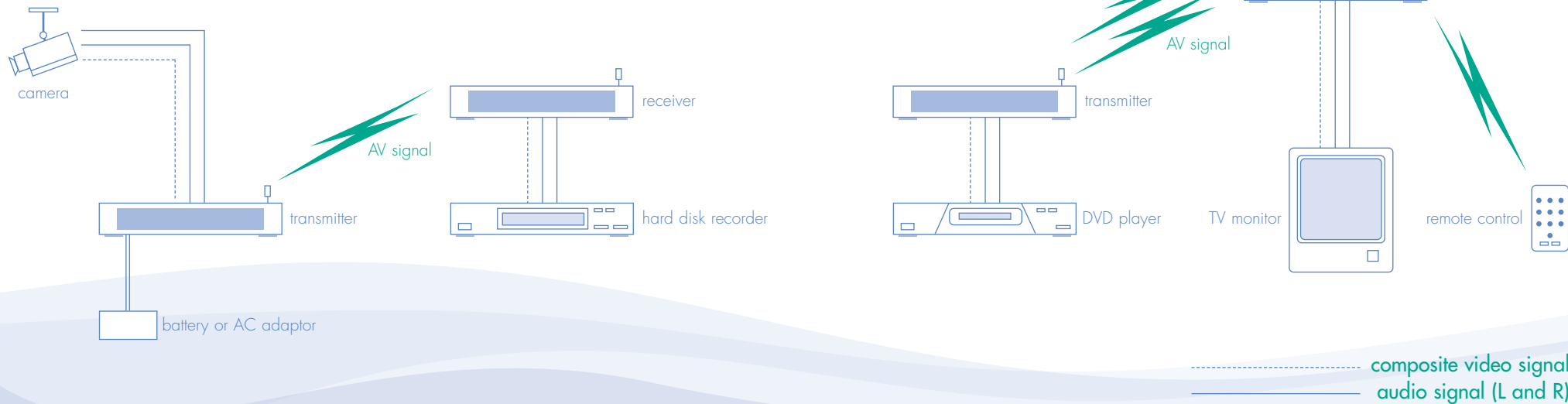
video input	RCA pin (composite), S connector
video output through output	RCA pin (composite), S connector
audio input	RCA pin L/R
audio output through output	RCA pin L/R
IR cable	mini-jack

general characteristics

size	width 220mm, depth 150mm, height 45mm
weight	390g (only main body)
power supply AC adaptor	AC in 100 - 240V 50 / 60Hz 1.0A
UL and CE approved	DC out 12V(±5%) 2.5A
power consumption	maximum approximately 6.5W
operation environment	temperature 0 - 40 humidity 20 - 80% (no dew)



system schematic diagram



A wide-angle photograph of a beach at sunset. The sky and sea are a uniform golden-orange color. In the foreground, the dark silhouette of a person stands on the left, holding a surfboard. In the middle ground, another person is walking away from the camera towards the water, also carrying a surfboard. The overall mood is serene and evocative of a coastal lifestyle.

VIDEO WAVE - speed, efficiency, security and freedom

WEVI



asia

6-28-11 Shukugawara
Tama-Ku, Kawasaki-Shi
Kanagawa-Ken
214-0021, Japan

tel +81 44 850 8801
fax +81 44 850 8838
email WEVI.asia@wevi.tv

united states

1602 Lockness Place
Torrance
CA 90501
USA

tel +1 310 891 2800
fax +1 310 891 3600
email WEVI.usa@wevi.tv

europa/middle east & africa

Unit 34, Metropolitan Centre
3 Taunton Road
Greenford, Middlesex
UB6 8UQ, England

tel +44 (0)20 8813 1666
fax +44 (0)20 8813 1777
email WEVI.europe@wevi.tv