

CAM~WAVE

WEVI

wireless video & camera transmission

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



receiver



transmitter

CAM~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
- '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 CAM~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

CAM~WAVE

product specification

wireless LAN interface

signal carrier frequency	38KHz
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I/O connection types

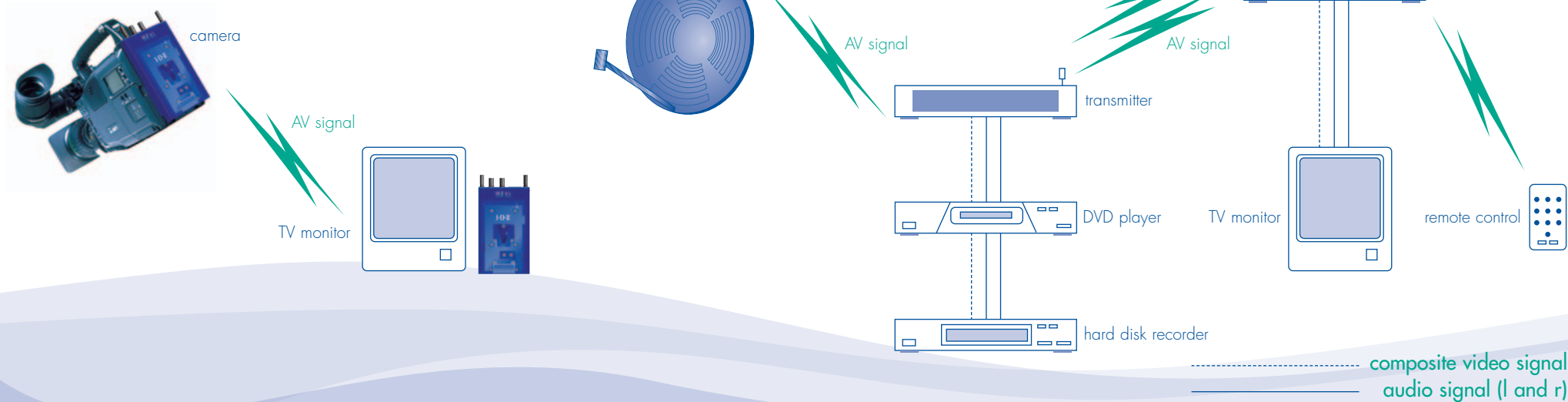
video input	BNC (composite)
video output through output	BNC (composite)
audio input	XLR5P L/R
audio output through output	XLR5P L/R
IR cable	mini-jack

general characteristics

size	width 100mm, depth 60mm, height 170mm
weight	390g (only main body)
DC interface	DC in: P-V assy DC out: A-NH2E
power consumption	DC in 10V - 17V DC out: battery voltage maximum approximately 6.5W
operation environment	temperature 0 - 40 humidity 20 - 80% (no dew)



system schematic diagram



A photograph of a beach at sunset. In the foreground, the lower legs and feet of a person wearing patterned shorts are visible, standing on the sand. In the middle ground, another person is walking away from the camera towards the ocean, carrying a surfboard under their arm. The background shows the ocean with gentle waves and a bright, hazy sky. The overall color palette is warm, dominated by oranges, yellows, and browns.

CAM~WAVE - speed, efficiency, security and freedom

WEVI



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