

Ikegami

Wireless Camera System WA-50



WA-50 is dockable type wireless camera system with Ikegami HK-399PW or HL-60W camera for wireless transmission. Transmission can be made, in addition to the camera picture, for camera control signal and tally signal as well. It employs COFDM that is less multi-path interference for transmission, and space diversity system is employed for reception to achieve stable communication.

Features

- Transmitter can be docked with HK-399PW or HL-60W. So No connection cable between camera and transmitter is required. It contributes the accident-less operation in conjunction with cables and offers smarter operation.
- Pre-settable transmission frequency and modulation modes. It enables suitable parameter selection to meet the operation environment.
- Low-delay transmission mode (60ms or less). Optionally super low-delay (12msec with Genlock) is provided.

Wireless Camera System

WA-50

Specification

WA-50 CAMERA ADAPTER

camera to be combined:

Ikegami HK-399PW or HL-60W only

<Transmission>

Transmission Frequency:

2.2 to 2.5GHz (1.9 to 2.1, 2.4 to 2.7GHz is available. 3.5GHz band is as option) 8CH accessible via keyboard, programmable via software.

EIRP:

500mW as standard. Different power radiation and frequencies also upon request and in accordance with the local PTT regulations.

Video Input:

YUV analogue, SDI, Digital signal (exclusive format) in preparation for Profile Level 2

Audio Input:

Analog signal x 3, camera front mic / rear line input/ incom. Camera front mic configurable at head and adjustable at rear. Rear line input -20dBm, +/- 10dB adjustable. Intercom carbon or dynamic selectable.

Profile level 1:

MPEG-2, SP@ML with 60ms latency option: 4:2:2P@ML

Profile level 2:

Proprietary format (take pattern from MPEG4) with currently 12ms latency (with genlock option).

Bit Rate:

2.5Mbps to 15Mbps (depends on modulation) Option: 25Mps

Modulation:

COFDM, DVB-T (8MHz, 2k Mode) QPSK/16QAM/64QAM, Guard-interval, coding rate is selectable.

Transmission antenna:

Non-directional active aerial, passive gain 5dBi, active gain 22dBi MAX

Transmission range:

Without any obstacle: 1000m@QPSK, 500m@16QAM, 250m@64QAM

Power Consumption: Approx. 22W

Weight: Approx. 2.5kg

BSW-500 Base Station

<Reception>

Receiving signal:

Signal transmitted by camera adaptor

Receiving system:

Space diversity (FFT-MRC) 2 or 6 way diversity

Video Output: Digital signal: SDI x 2 (embedded Audio)

Analog signal: Composite x 2, PM x 2

General Input:

BBS at BSW-500. Camera head genlock optional/analogue, int. terminated

Audio output:

Analog signal: 3 channels: front mic., rear input, talk back

Receiving antenna:

Flat antenna (9dBi, outdoor, studio), OMNI (5dBi, studio/ indoor) or 17dBi directional for outdoors, connected via BDC. Special BDC's for TRIAX use is available. Other antennas are also available.

<Command transmission>

Transmission Frequency:

450-470MHz depending on local PTT regulations

Transmission output:

10mW. Other power radiation and frequencies upon request and in accordance to local PTT regulations.

Frequency is up to 865MHz, Power is up to 10W.

Command input:

OCP-399 x 1 / MCP-120 x 1,

R Tally / G Tally: 1 each(contact), Scan-Ctrl (16:9)

Interface:

Tally out (R/G)

µPC:remote monitoring (Dengvision)

Aux: remote panel control

IFout: option repeater output

ASI in: option repeater input

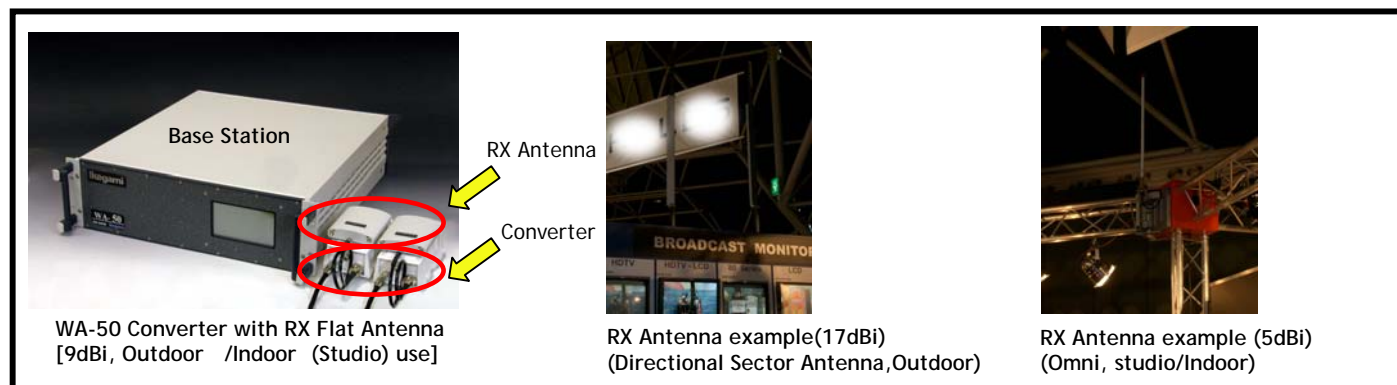
ASI out: 2x 2x or 6x UHF input/ 24V DC 1A each

Transmission antenna: Non directional, Gain: 5dBi

Power Consumption: Approx. 115VA(100-240V, 50-60Hz)

Dimension (W x H x D): 482.6 x 132.6 x 480mm

Weight: Approx. 15kg



Design and specifications are subject to change without notice.

Ikegami Tsushinki Co.,Ltd.

■ Head Office

5-6-16 Ikegami, Ohta-ku, Tokyo 146-8567, Japan TEL.03-5700-1111/FAX.03-5700-1137

■ Overseas Sales Division

5-6-16 Ikegami, Ohta-ku, Tokyo 146-8567, Japan TEL.03-5700-4114/FAX.03-5700-2200

Ikegami Electronics (Europe) GmbH

■ URL <http://www.ikegami.de>

■ Headquarters

Ikegami Strasse 1,D-41460 Neuss, Germany TEL.02131-1230/FAX.02131-102820

■ U.K. Branch

Unit E1 Cologne Court, Brooklands Close, Windmill Road, Sunbury-on-Thames, Middlesex TW16 7EB, England
TEL.01932-769700/FAX.01932-769710

■ Denmark Office

Frederikssundsvej 266, 2700 Broenshoej, Denmark TEL.3880-9903/FAX.3881-9903

■ URL <http://www.ikegami.co.jp/en/>

SH61A066-SELF0.5