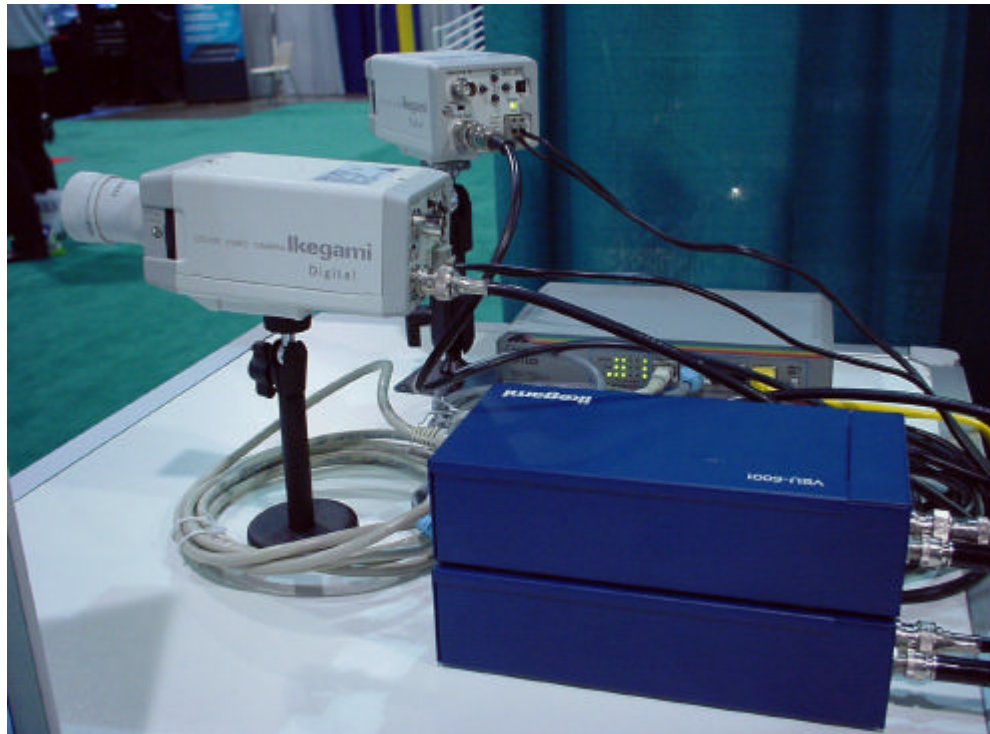




## Networked Digital CCTV Video Server **VBU-6001**



Ikegami VBU-6001 is supplied as a single source solution for the transmission, reception, encoding and decoding of video, audio and data over IP networks. It is capable of being software configured as a server (encoder) or client (decoder). The VBU-6001 allows the user to control, configure, view, record and control the display of video over IP networks. All functions are user-configurable and compatible with Ikegami ICD-N806 network color camera series.

The VBU-6001 servers (encoders) digitize and transmit video from a PAL/NTSC video source eliminating requirements for multiplexers, transmission amplifiers or correction amplifiers.

The VBU-6001 clients (decoders) decode the encoded video audio and data from the network, decompress the video and audio signals and output either NTSC/PAL composite video and audio to an analog monitor and suitable audio device.

## VBU-6001 Networked Video Server

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### Features

Suitable for both small- and large-scale monitoring system, the VBU-6001 takes CCTV opportunities to a new level offering unparalleled system versatility.

- ◆ Converts existing analog-based CCTV to digital remote monitoring systems simply and cost – effectively without equipment obsolescence.
- ◆ Provides a complete solution enabling rapid deployment of remote monitoring systems offering:
  - Real-time video and two-way audio
  - Recording
  - Management of PTZ functions and Binary I/O triggers
  - System administration tasks
- ◆ Maximizes resources to enable co-ordinated, remote monitoring and communication across multiple locations using network interface.
- ◆ Utilizes multicast technology to deliver high bandwidth efficiency. Enables multiple users to access video and audio streams using the same bandwidth as a single user.
- ◆ Offers the flexibility to respond to diverse security applications and network environments by delivering:
  - User selectable encode or decoder modes
  - User configurable bandwidths from 8Kbps to 3Mbps
  - Digital recording and high-density, cost – effective, digital storage.
- ◆ Designed around multiple, international standards in video, voice data and networking.
- ◆ **Minimum System Specification:**  
IBM PC compatible with Pentium II 266MHz and 32MB RAM
- ◆ **Recommended System Specification:**  
IBM PC compatible with Pentium III 550MHz and 128MB RAM

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### Specifications

#### Video

1 x NTSC/PAL (BNC) input, composite video, 75Ω  
1Vp-p (when configured as a server)  
1 x NTSC/PAL (BNC) output, composite video, 75Ω  
1Vp-p (when configured as a client)

#### Video Codec

ITU – standard H.261  
24 bit color depth  
Resolution: CIF (352 x 288 pixels) or QCIF (176 x 144 pixels)  
Up to 30fps at CIF resolution

#### Audio Compression

User selectable ITU G.711 and G.728

#### Data Input/Output

Serial 1:  
EIA-574 RS-422 or EIA-422 RS422,  
Maximum baud rate: 115.2Kbps

Serial 2:

EIA-574 RS232  
Maximum baud rate: 115.2Kbps

#### Network Connections

IEEE 802.3 and IETF standard:  
10/100 Base-T Ethernet, TCP,UDP,ICMP and IGMP

Physical connection via RJ-45

#### Power

Operating voltage: 5V DC, 1.2A  
Power consumption: 5W(Min), 7W(Max)

#### Dimensions and Weight

167mm (L) x 80mm (W) x 45mm(D)  
0.5Kg excluding power supply

#### Environment

Operating: 0° C(32° F) to + 50° C(122° F)  
Storage: -20° C(-4° F) to +70° C(158° F)

**Specifications subject to change without notice.**

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# Ikegami

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