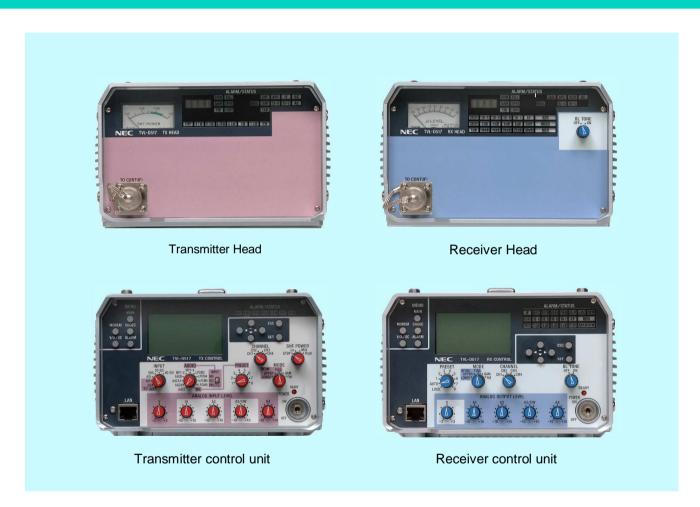


## **Digital FPU**

# TVL®-D500 SERIES







**NEC Corporation** 

## TVL®-D500 Digital FPU

### **Features**

- Multi mode: OFDM / single-carrier QAM
- HD & SD with H.264 or MPEG-2 codec can be built in.

Decoder is available both coding formats.

- OFDM 1.0W output power
- Monitoring with HD down converted to a simplified video is available at receiver control Analog outputs is available.
- Test Signal Generator
   Video: Still / moving color bars, audio: tone (1kHz/400Hz),
   Digital (up to 8ch)
- Staffing Function
   Adopt to asynchronous TS signal interface
- Receiving status output
   Constellation, BER, and output video signal status signals.
   [Optional function]
   Monitoring function with Receiver head.

## **Specification**

	OFDM	QAM
Transmission frequency	2 channels specified in B / C +2 channels specified in E / F 2 channels specified in C / D +2 channels specified in E / F 2 channels specified in B / D +2 channels specified in E / F (Optional) ( B band = 5861 - 5915MHz, C band = 6435 - 6561MHz, D band= 6882 - 7116MHz, E band = 10.26 - 10.44GHz, F band = 10.561 - 10.669GHz) *Other frequency available to special order.	
Transmit output power	FULL 1.0W / 0.5W / 0.2W HALF 1.0W / 0.25W / 0.1W	1.5W /0.5W/0.1W
Modulation	BPSK(*1)/DBPSK(*1)/QPSK/ DQPSK/16QAM/32QAM/64QAM	QPSK/16QAM/32QAM/64QAM
Video and audio (MPEG-2)	Video format HD: 1920/1440×1080、SD: 720×480/512 Video coding MPEG-2 422P@HL、MP@HL	
Operation Temperature	0 °C to 40°C (Spec meet) -10 °C to 50°C (Workable)	
Power	AC 100 ~ 240 V±15% DC+10.8~+16.8V	
Power Consumption	Transmitter Head/Control:250VA or less Receiver Head/Control 160VA or less	
Dimensions (W×H×D)	Transmitter/Receiver Head : 180mm×110mm×350mm (without projection) Transmitter/Receiver Control unit : 180mm×110mm×350mm (without projection)	
Weight	Transmitter Head: Approx. 8.5kg, Receiver Head: Approx.7kg, Transmitter /Receiver Control unit: Approx. 6.5kg	

<sup>\*1)</sup> Optional specification

ISO 9000 Series

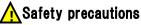




ISO 14001

ISO 9001 JMI-0119 NEC Broadcast and Video

JQA-E-90066 NEC



To install, make connections and operate this product, please carefully read and observe instructions, precautions and recommendations in our instruction manuals.

• The colours in this brochure may differ from those of the actual unit. Designs and specifications of this product is subject to change without prior notice.

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