

## NDI to SDVoE Encoder NJR-P01FNF-T

The NJR-P01FNF-T is an AV over IP encoder for converting NDI signals to SDVoE signals and transmitting video, audio, RS-232C, and LAN for a long haul via fiber optic cables.

The NJR supports NDI High Bandwidth and video resolutions up to 1080p@60.

This product can be used in combination with other SDVoE products within IDK's product portfolio.

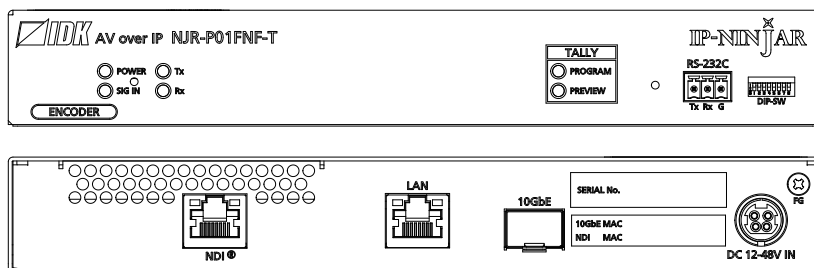
### ■ Specification

		NJR-P01FNF-T
Video/Audio input	NDI	1 input NDI High Bandwidth NDI 6 480p to 1080p@50/59.94/60 Color depth: 24 bits *For all supported video signals, see the table below. LPCM: Up to 2 channels Sampling frequency: 48 kHz Connector: RJ-45 Maximum distance: 328 ft. (100 m) Cable: CAT.5E HDC, CAT5e (UTP/STP), CAT6 (UTP/STP), CAT6A (UTP/STP)
	10GbE	1 output SDVoE, AES-128 Deep Color 480p to 1080p@50/59.94/60 Color depth: 24 bits *For all supported video signals, see the table below. RS-232C/LAN Connector: SFP+ Maximum distances <sup>*1</sup> : 984 ft. (300 m) (OM3 Multimode fiber), 6.21 mi. (10 km) (OS1 Singlemode fiber)
Other I/F	RS-232C	1 port, Connector: Captive screw (3-pin)
	LAN	1 port, 10Base-T/100Base-TX/1000Base-T (Auto Negotiation), Auto MDI/MDI-X      Connector: RJ-45
Functions		-
General	Power	DC 12 V 0.9 A - DC 48 V 0.23 A <sup>*2</sup> AC adapter: AC 100 V - 240 V ±10%, 50 Hz/60 Hz ±3 Hz, DC 12 V 3 A 36.0 W
	Power consumption	12 W
	Dimensions	8.3 (W) × 1.2 (H) × 5.5 (D)" (210 (W) × 30 (H) × 140 (D) mm) (Excluding connectors and the like)
	Weight	2.2 lbs. (1.0 kg)
	Temperature	Operating: 32°F to 104°F (0°C to +40°C), Storage: -4°F to +176°F (-20°C to +80°C)
	Humidity	20% to 90% (Non Condensing)

<sup>\*1</sup> Only if the SFP+ optical transceiver sold by IDK is used, signals can be transmitted to the mentioned maximum transmission distance. If using other SFP+ optical transceiver, check the compatible fiber and maximum distance of the SFP+ optical transceiver.

<sup>\*2</sup> Use Class 2 or LPS.

### ■ Front & Rear Panels



## NJR-P01FNF-T Supported video signals

Signal	Resolution	Frame Rate [Hz]	Pixel Clock [MHz]	Color Depth [bits]	INPUT	OUTPUT
					NDI	10GbE
480p	720x480	59.94	27.00	24	○	○
576p	720x576	50.00	27.00	24	○	○
720p@50	1280x720	50.00	74.25	24	○	○
720p@59.94	1280x720	59.94	74.18	24	○	○
720p@60	1280x720	60.00	74.25	24	○	○
1080i@50	1920x1080	25.00	74.25	24	○	○
1080i@59.94	1920x1080	29.97	74.18	24	○	○
1080i@60	1920x1080	30.00	74.25	24	○	○
1080p@50	1920x1080	50.00	148.50	24	○	○
1080p@59.94	1920x1080	59.94	148.35	24	○	○
1080p@60	1920x1080	60.00	148.50	24	○	○

For best results, please confirm that the source device(s) video output can be configured to match the listed formats above. For questions regarding other input video signals, please contact your IDK representative.